User's manual

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20121012

Ver：01.01.05

Notes

Firstly,thanks for choosing our latest products.

Before running our products,please read all the contents contained on this instruction brochure carefully, and make sure you've known the functions of each part of the hardware and software.

This manual brochure will provide you with detailed instructions about the installation,running, setting, and ip network running method of the full real time video Surveillance system.

The supply voltage of the system host is 220V+10%, if the voltage instability or interference occasions selection of high quality regulated power supply (UPS), to ensure a good working system to normal state .
The system host work at room temperature (-10_3 ℃ ~ 55_2 ℃), a clean environment , and maintain good ventilation state .
This system belongs to our company 's proprietary products , without consent , do not copy , otherwise affect the stability of the systems,we takes no responsibility for that , and will be investigated through the legal channels piracy responsibility .

Function featurees

（H.264 compressed image format）

- **compressed image format**：H.264；
- Support the computer display resolution：1024×768、1280×1024、
  16:9 widescreen、16:10 wide screen；

Preview resolution (adjustable) 1,DVR card：704×576（PAL），740×480（NTSC）；
352×288（PAL），370×240（NTSC）；
2，ip camera：720P（1280*720），1080P（1920*1080）

- Recording resolution：1，DVR card：704×576（PAL），740×480（NTSC）；
  352×288（PAL），370×240（NTSC）；
  2，IPC：720P（1280*720），1080P（1920*1080）
- support single screen、4 screens、9 screens、16 screens、20 screens、25screens，support full screen，Support

auto-flip；

- support The multi- screen real-time display / recording / playback function，Support multi-protocol PTZ control，Support a variety of alarm box linkage alarm；
- support Multi-recording method Manual recording、Continuous recording、Timer recording、Dynamic video、Event Record、Linkage alarm recording ；
- the name of each channel can be setted
- NTSC/PAL video format，25 frames / sec real - time preview, recording, playback；
- Video image attribute adjustment function to make the image clearer
- There are several classes of video image quality adjustable to change the size of the storage file to facilitate the application of different occasions.
- Function of video motion alarm recording , alarm recording sensitivity , pre-recording time , adjustable delay recording time support sound alarm output .
- Intelligent Search，According to the camera lens year / month / day / time period or long continuous search playback，To retrieve alarm recording automatically，Able to distinguish between video events。
- With local amplification , frame-by-frame playback , fast playback , slow playback , normal playback

support capture picture when replaying, file backup function when replaying , file editing functions.

-
- Support remote control, remote control, Cloud mirror, color, manual recording, cloth removal, restart your computer .
- Support the largest capacity of hard disk and also support installing multiple disks.
- Setting the maximum and minimum over-provisioning room to Make hard disk can get sufficient and reasonable use
- Automatically create log file, in order for you to check the operating record.
- Can set switch off and on, make sure the high stable running of the system.

- Can set the automatic running of the Video Surveillance software when the pc system starts running, automatic turning off when the power is off, automatic Running when the power is on, and also automatically start re-recording.
- stable and reliable, All the hardware and software are tested about 72 hours

continuely.

- Low hardware requirement

The system can effectively prevent the user’s repeatedly operating the monitoring system to lead to system collapse

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Part 1 software installation and uninstallation

1.1 System Requirements

1.1.1 Hardware requirements （recommended)

Mother board	Intel G31/G35 or above, 2 PCI-EXPRESS slots or above
CPU	Intel platform Celeron E4300 above（suggests Core(TM)2 E5200 above ）
RAM	Above 512M （suggest using two-channel）
Graphic card	Integrated graphics
Network card	10/100M
Display resolution	1024*768, 1280*1024, support widescreen

1.1.2 Software requirements

OS：Windows 2000/Windows XP/Windows Vista / Windows 7

1. Suggest install Microsoft Windows XP Professional sp3
2. Set up DirectX 9.0c or above
3. The latest graphics card driver is required
4. Please do not install firewall, anti-virus software and some other application programs

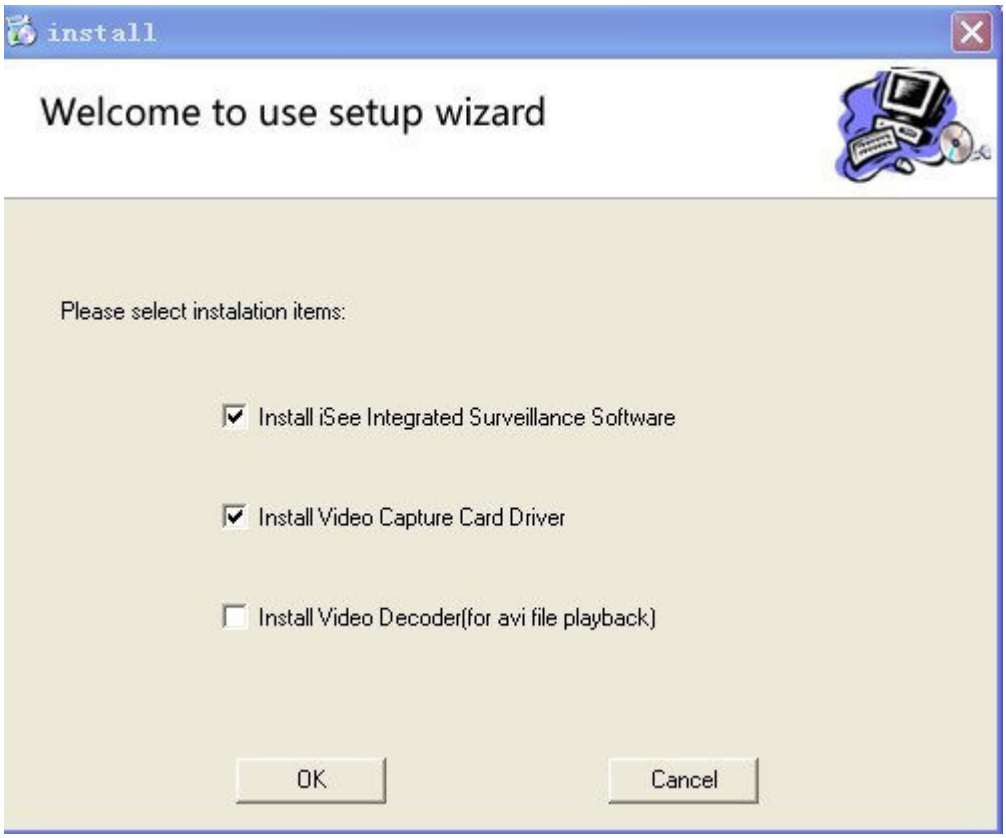
(Installing firewall(including system firewall) can cause remote access connecting fail; because when the anti-virus software is running, it will take up a lot of system resources, this will affect the stable running of the DVR software; please do not run other applications while the DVR software is running.)

Note: Before install the VGA Drivers, make sure the main board drivers have been installed, otherwise, the graphic card and DVR card may not run normally.

1.2 Software Installation.

1) Open the CD, and double click

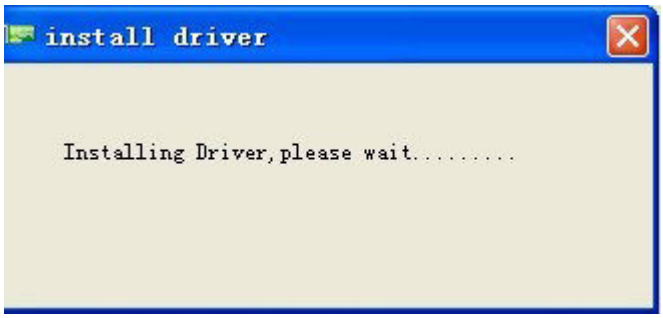
, than as pic.1:



Pic.1

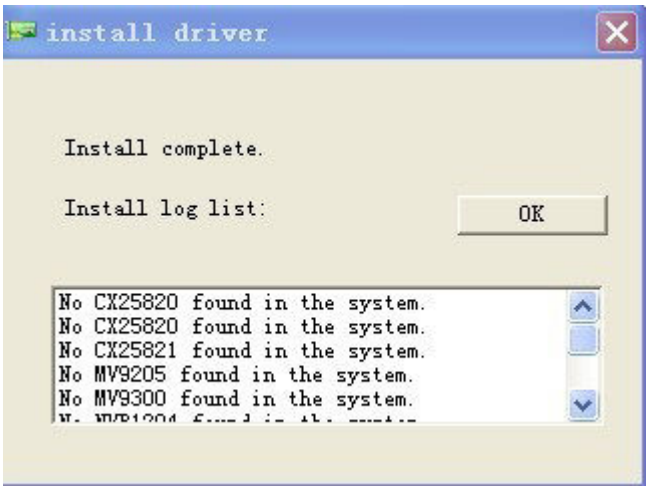
2) Choose the options, single click “OK”, the series programs will be finished automatically, ISee Integrated Surveillance syste and video decoder included;

3) Single lick “OK”, than as pic.2:



Pic.2

4) As pic.3A, “ iSee integrated surveillance system” click “OK” and finish installing, As pic.3B:

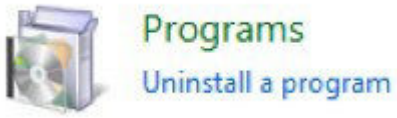

install driver
Install complete.
Install log list:
OK
No CX25820 found in the system.
No CX25820 found in the system.
No CX25821 found in the system.
No MV9205 found in the system.
No MV9300 found in the system.

Pic.3A

Pic.3B

1.3 Software Uninstallation.

1) ***Mode 1:*** Single **Start-> Program->Uninstall**, then " iSee integrated surveillance system" and its relative files will be deleted, but no folder of video and snapshot picture will be deleted.

2) ***Mode 2:*** In the "**Control panel**", double " 

", Choose "iSee", then delete it。

3) ***Mode 3:*** In the installing file, you can find

, double click to finish uninstalling.

Part Ⅱ　Software Introduction

This software include server-side and client-side.

2.1　Enter the program

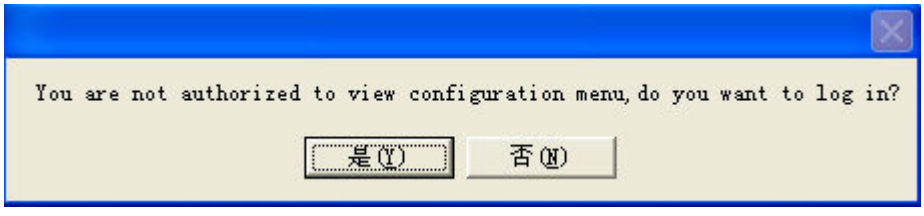
After installing Isee, Double click "

" on the desktop, or Click **Start > Program->iSee,** then entering preview interface of iSee, no need to use password。

Pic.4

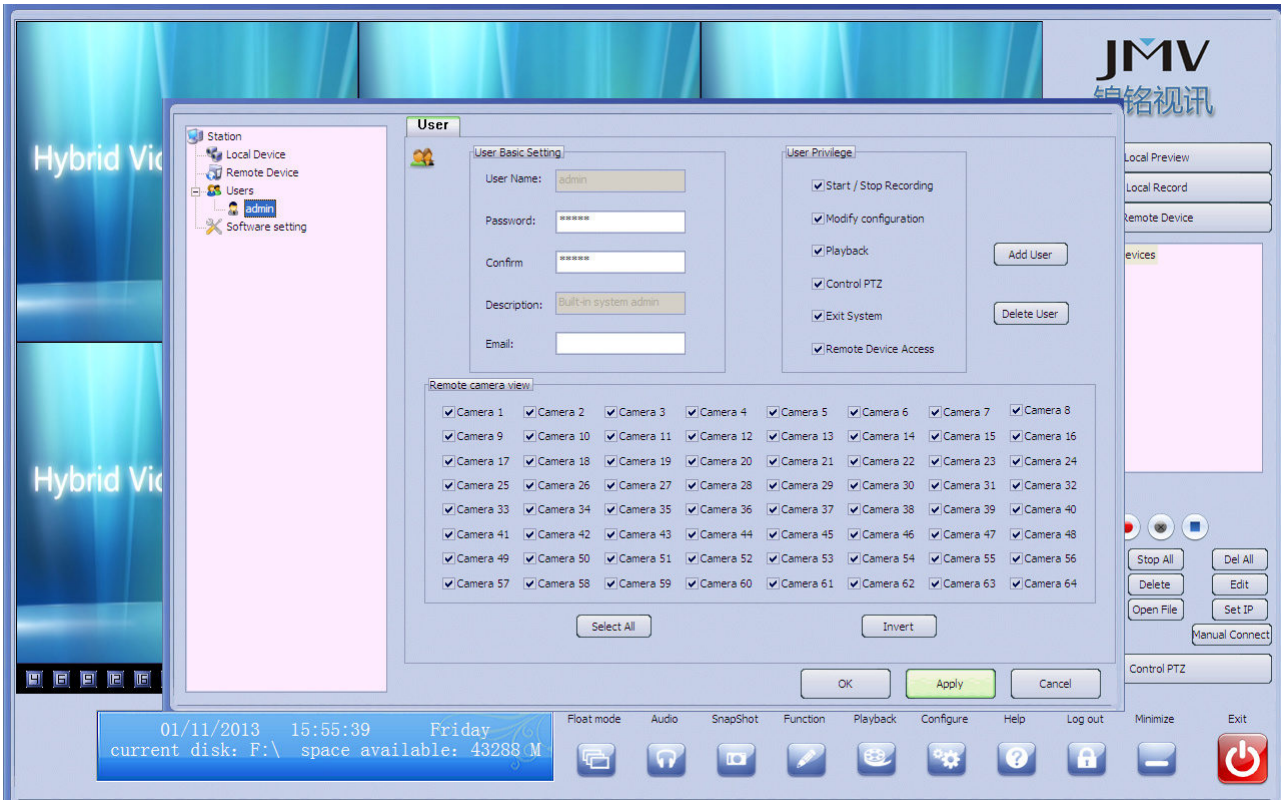
After entering the interface of Isee, unlock for all buttons, single click "

", to lock all buttons, then dialog box will appear when you click any buttons, as pic.5



Pic.5

Choose “是（Y）”, fill in the next dialog box with correct user and password （Entering default user and password first time）, then you can do the following operations。



Pic.6

After log in successfully, the user who is the first time to enter “admin”, add new user, and set “basic setting”, provent common user getting and using the authority of administrator , causing lose that can be avoided。Adminstrator can creat, delete and manage user authority, more details about that, please check the operation as below.

Note: user：admin，Password：admin。

2.2 Software main interface introduction

2.2.1 iSee integrated surveillance system Software

Before running “isee integrated surveillance software”, Please make sure that the display resolution of computer is true color 32 bit or more, resolution is 1024*768 or 1280*1024. (You’d better choose 1280*1024, if Display of 17’’ or more, so that the video and picture shall be biger and clearer.

Pic. 7

2.2.2 Button functions on the interface

1) Multi-frame cut button

Such as Single screen, 4-screen, 16-screen, 25-screen, 36-screen, Full screen

2) Buttom arrangement

When there are no pictures in a serie frames, please arrange all frames with displaying pictures again.

3) Page turning button

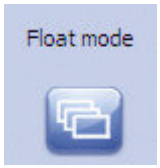
Page down Page up

When one screen is not large enough to display all frames, click " " to come to next screen and click " " go back to last screen.

4) Page turn round button

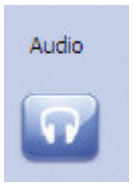
After click, it will be up-turned automatically as the preset time.(More details would like to be refered to “global setting.”)

5) Frame float mode



After click,you can see every frame alone with the float mode.

6) Audio button



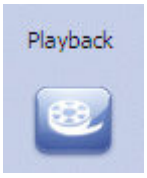
7) Snapshot button

In the devices list,choose one camera or single click one frame to snapshot,all picture shall be stored as JPG,storage access can be set in the”store setting”.

8) Look up Log

All history of operation can be checked here.

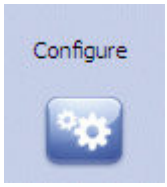
9) Playback button.



After single click, enter record playback interface.

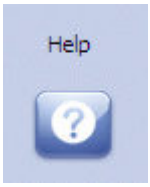
Note: Only can record playback, when the file of the record has been packed as the time you set, or you have stopped the record.

10) Configuration button



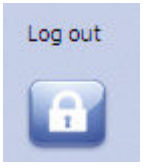
After single click, enter the main program interface, it would like to be for administrator and super user.

11) Help button

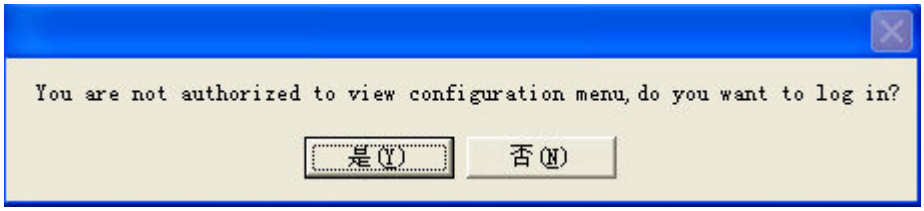


Single click, the isee software introduction for user shall be displayed.

12) Interface lock button



After single click, video monitor interface shall be locked, clich any keys, the dialog frame as below shall appear:



Picture8

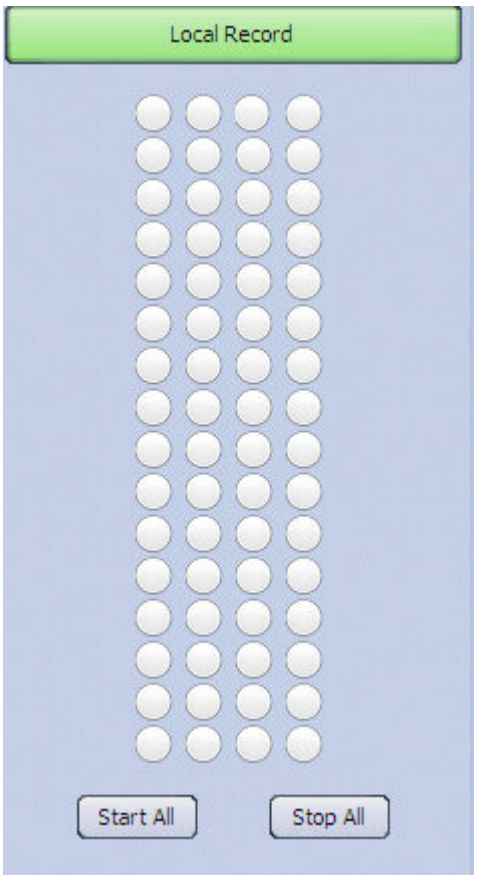
Log in is to protect the software from other people's operation, Fill with the password to unlock.

13) Minimize Button.

Click here, Software shall be minimized on the taskbar, companter back to Window interface.

。

14) Local Devices(For DVR card)

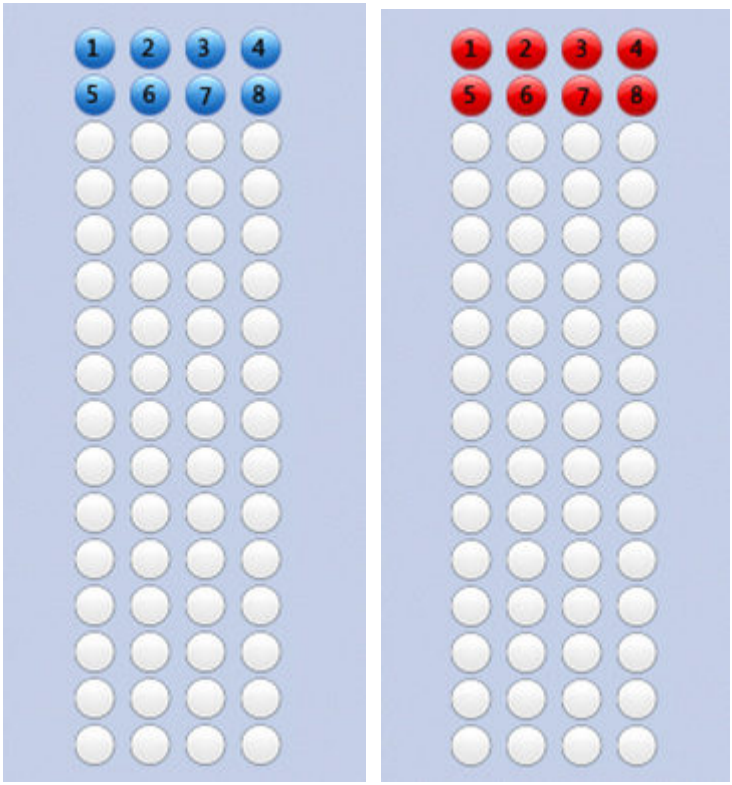


① Left click for open the channel you want.

② Click green button once to open, click again for clos.

③ You can also click start all or stop all channels here.(Just preview video displayed here)

15) Local record (For DVR card)



①: Left click to start to record.

②:Click once to start recording,click again to close it.

③: Click start all to open all channels and stop all to close all.(Just preview video displayed here.)

④: Red button show recording status.Blue button show no recording status.

16) Network device

Relative operation Please refer to **2.3.1.3 Network devices Set(remote device)**

PTZ control

17) PTZ control button.

: UP

: Down

: Left

: Right

: Light on/off

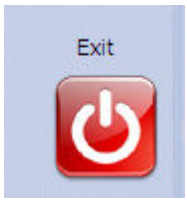
: Brush on/off

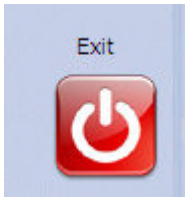
: PTZ preset button. Click to fill with preset No. in the textbox, to confirm

the preset of PTZ.

: PTZ preset ID Choose button. Type the ID of the PTZ preset you want in the textbox, so you can get out the preset.

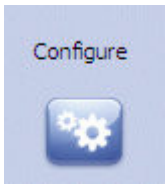
18) Exit button



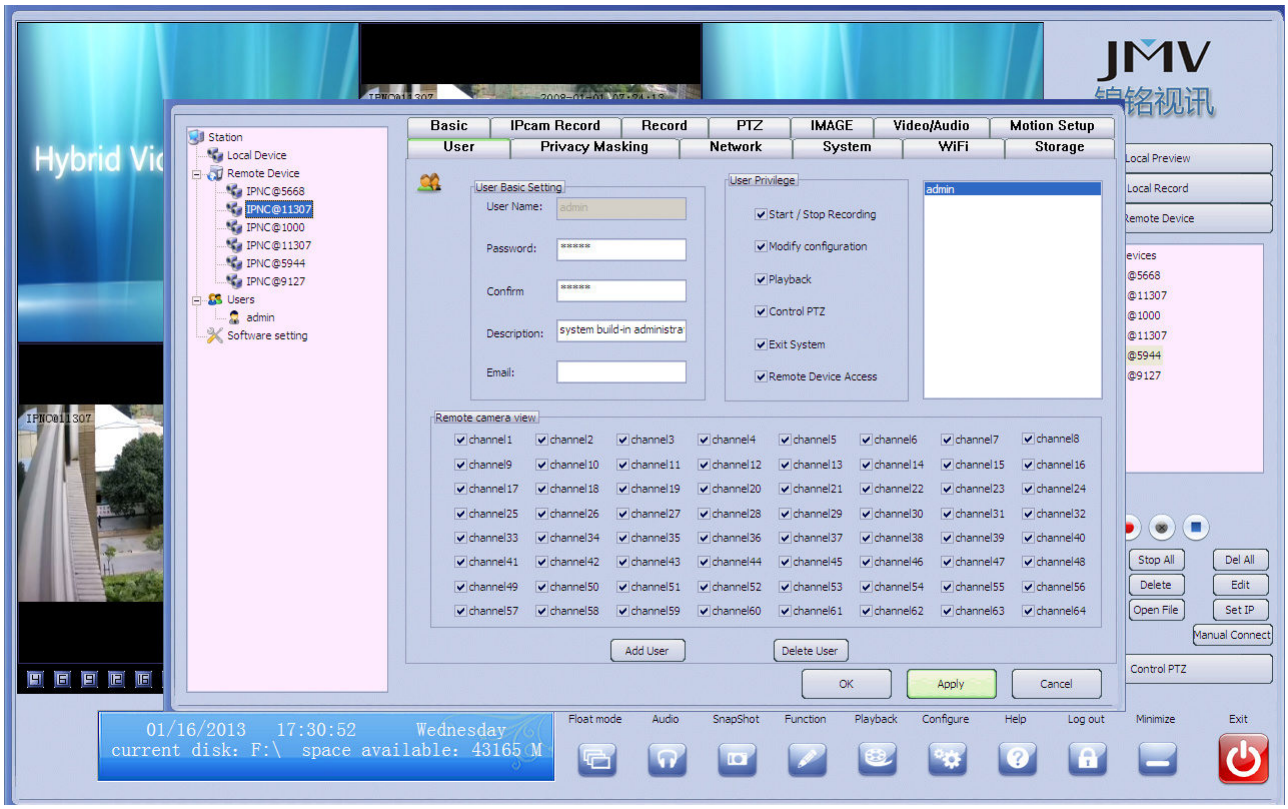
Click “ 

”, Exit “ iSee integrated surveillance software”。

2.3 Software Configuration

Click “ 

” into the isee configuration interface, as the pic. 10 below:

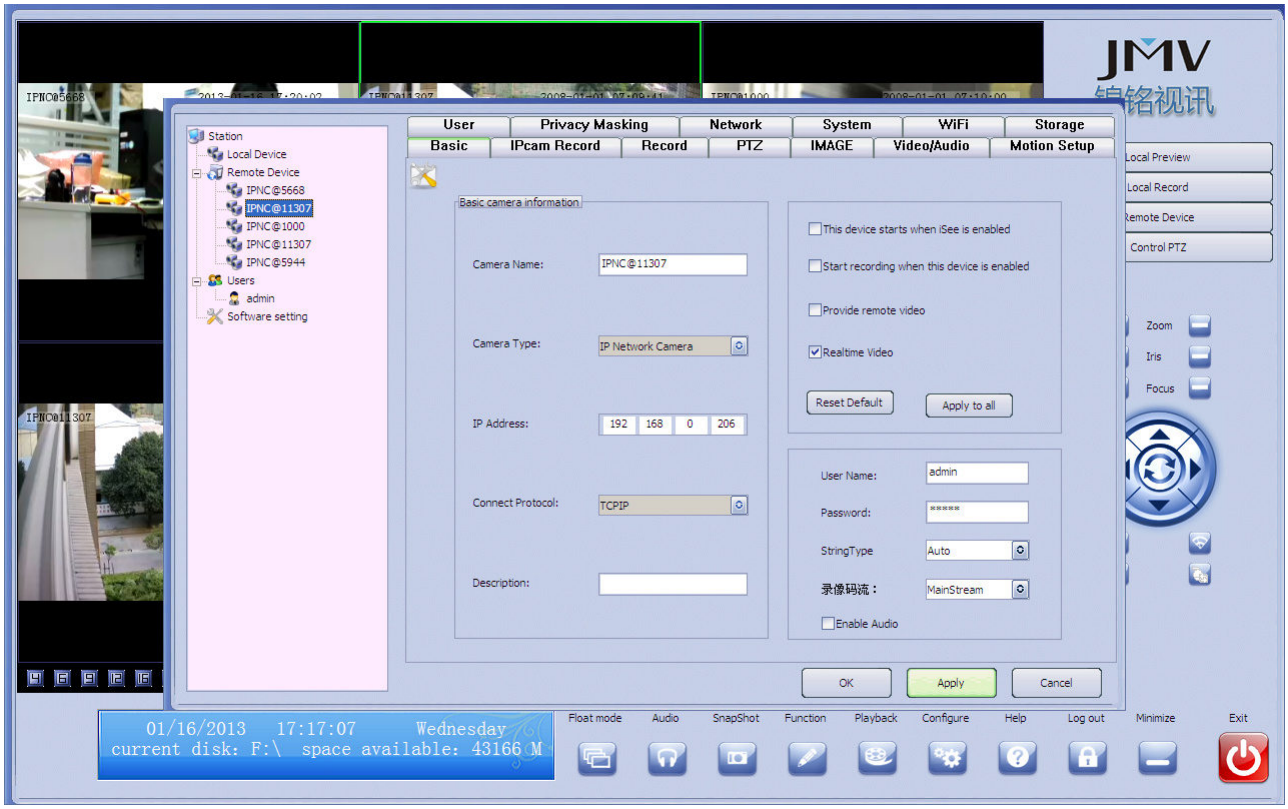


Pic. 10

Single click the list of remote device,choose the camera you need to configurate

2.3. 1 Basic Setting

Click “Basic” and enter in to set the parameters of your camera, as the pic. 11 below:



Pic. 11

Camera Name： maybe you can name by the place where your camera is located

Camera Type： No change;

Camera IP address： Setting IP address.

Connect protocal： TCPIP ;

Description of Camera： Describing the camera;

The device start automatically when ISEE open

- Mark “ √ ” Enable it.
- No mark “ √ ” , no available.

Starting recording when ISEE open：

- Mark “ √ ” Enable it.
- No “ √ ” , no available

Provide remote video：

➢ Mark “ √ ” is for providing remote video

➢ No mark “ √ ” ,no available of remote video

Realtime video：(Special for DVR card)

➢ Mark “ √ ” to set all channels in this system as the same as this channel

➢ No mark “ √ ” No copy the same set to all channels in this system

Default Setting

Click for factory resetting.

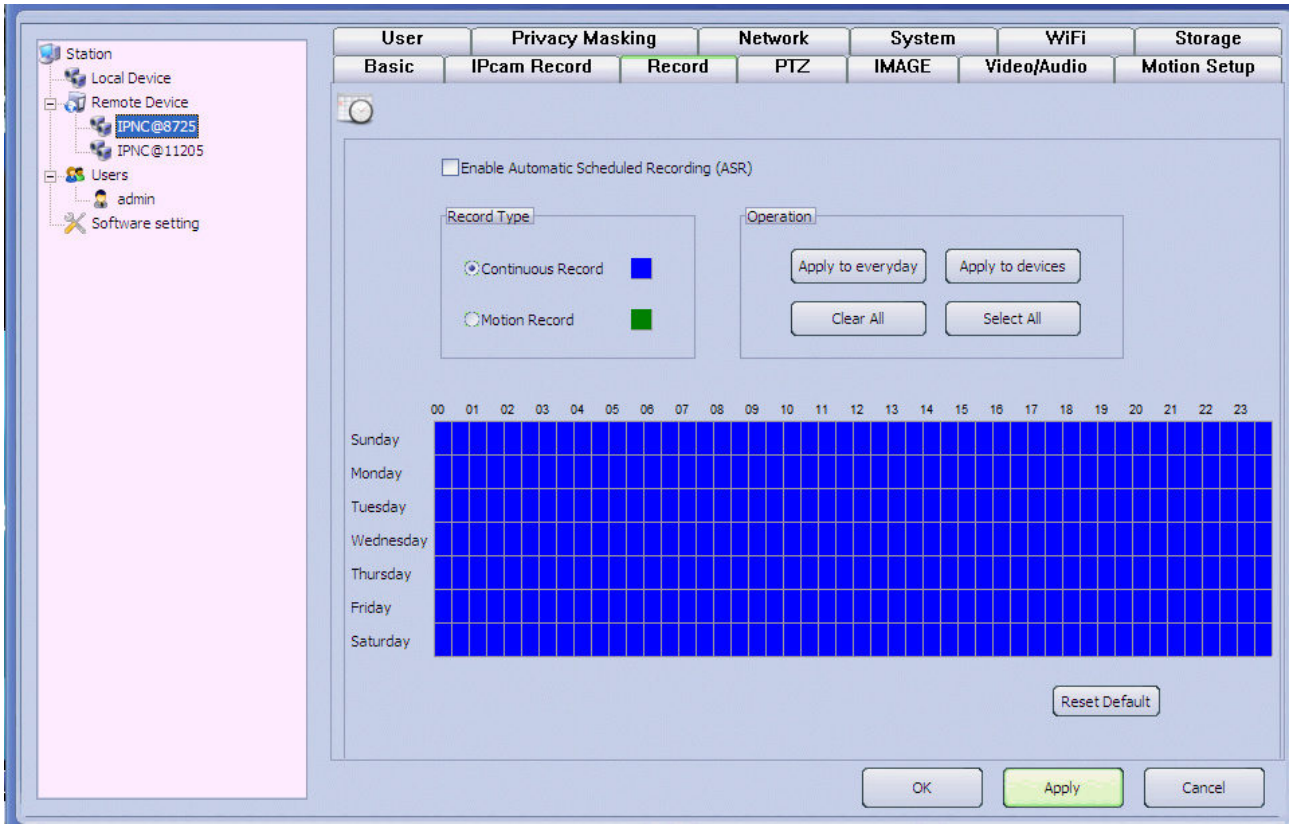
Affter all settings,click apply and OK.

2.3.2 Recording setting（PC-side record and IPC-side record）

If you record in the PC or NVR,named PC-side record,if you record in the SD card,named IPC-side record.

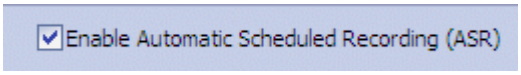
一：PC-side record：

Click on the PC video tag into video parameter Settings，



Picture 12

Recording settings ：

① 

click this to enable automatic, the operating below start to have function;

② you can choose continuous record

or motion record

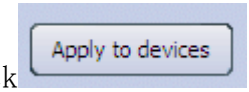
, you can only choose one of them;

③After choosing the recording mode, you can choose the time quantum at the form below, or choose all;

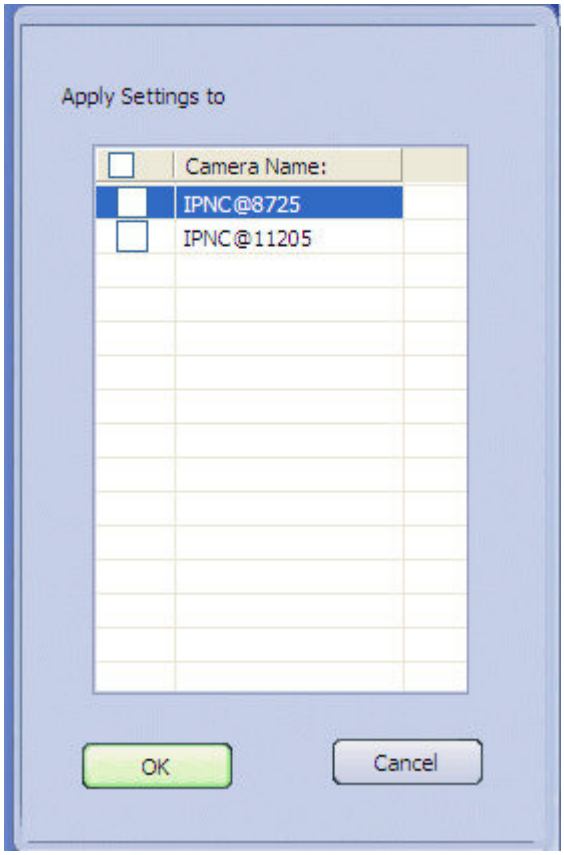
④At the form of choosing to record, you can click Left drag to choose or to cancel.

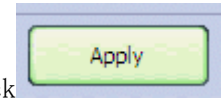
⑤

there are 4 options on the form, you can choose one as you need.

⑥click 

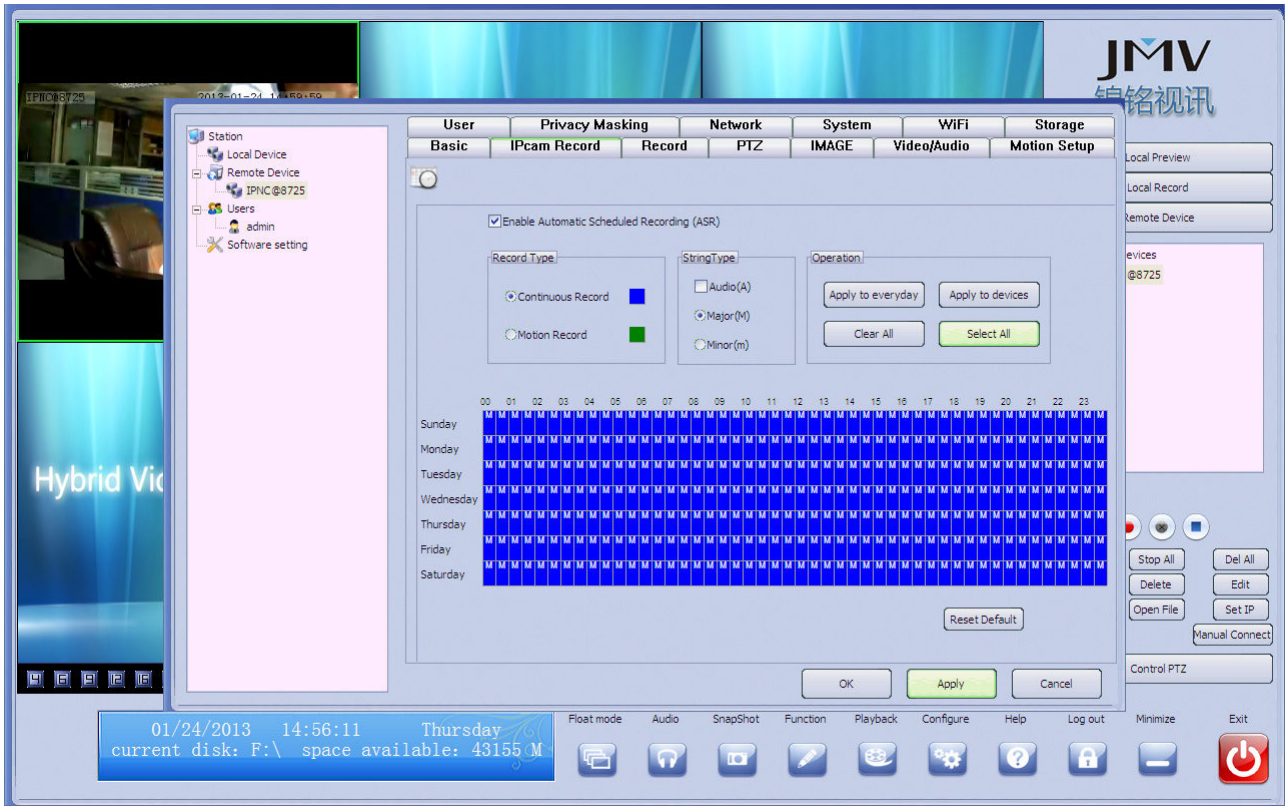
open a dialog box, you can choose the channel as you need



You need to click 

after the setting, then the setting comes into effect.

二：IPCAM recording

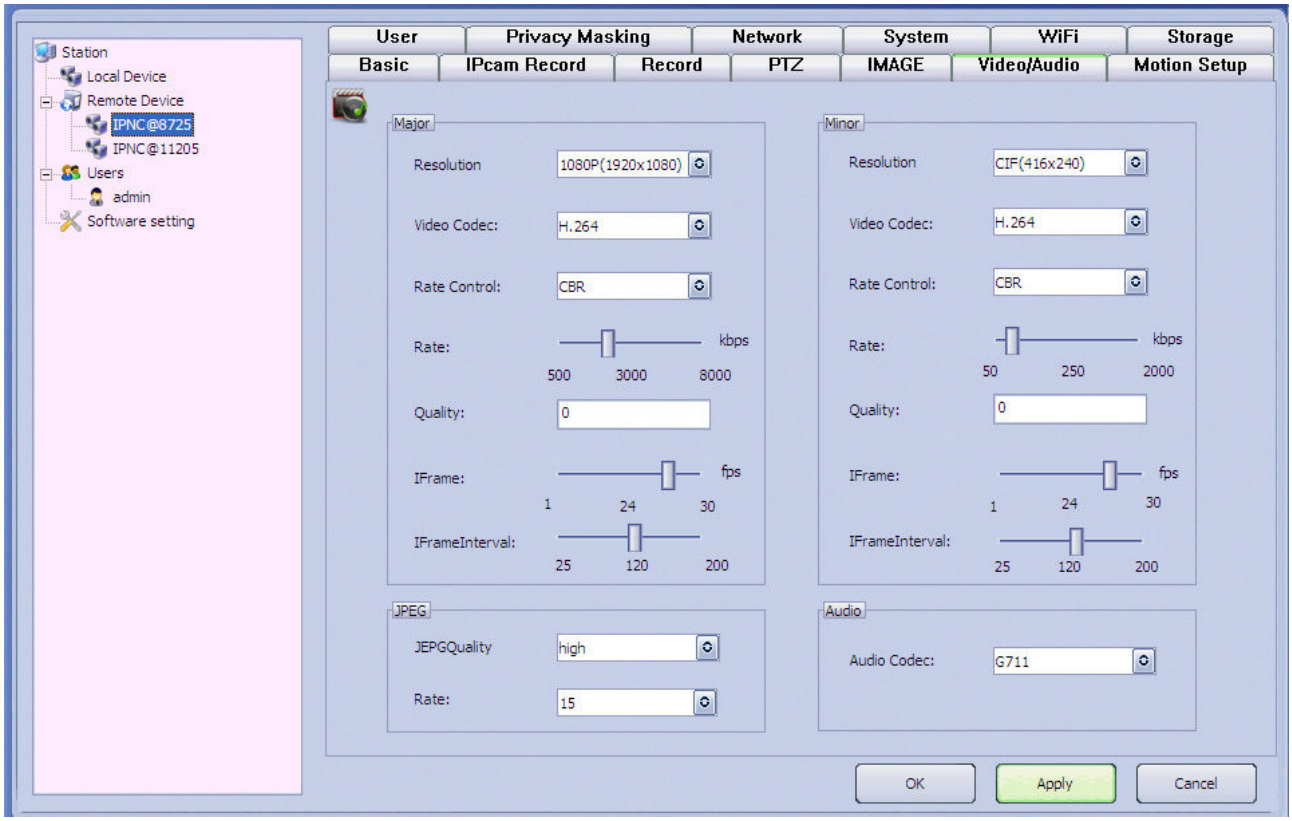


The setting on the IPC is basically the same with the setting of the computer.

Please note: suggest choosing motion record when setting the ip camera.

2.3. 3 Audio and video setting

click “Audio/video” to enter the Audio and video setting, as picture 13 shows:



Picture 13

If click “√” then the setting of the other channels is the same with current video’s setting.

If not click “√” then it means do not copy the setting to the other channels

(1), this part contains major rate setting and minor rate setting. The major code corresponding the main stream when connecting the ip camera， and the minor code corresponding the sub stream when connecting the ip camera.

①major code setting

Resolution:This area shows that the maximum resolution the camera can achieve ，for example：1080P（1920*1080） Do not choose

Image compression：H.264（ no options）

Rate Control ：CBR（VBR can be optional）

rate ：720P Default code rate 2M，1080P Default code rate 3M，（if you need to upgrade the quality of the image, you can pull up the code rate,but it will increase the storage of the disk. Please choose after carefully consideration）

Quality: temporary unavailable

frame rate：720P Default 30,1080P Default24（do not suggest to adjust）

frame interval：do not suggest to adjust

②minor code setting：

Image compression：CIF（416*240） default (no options）

Video Compressing Format ： H.264（no options）

Rate control：CBR（VBR optional）

frame：250KB default（ if you need to improve the quality of the image of the minor code setting you can improve the frame rates, but the speed of network need to be increased, we do not suggest to choose）

quality：unavailable

Frame rate：do not suggest to adjust

frame interval：do not suggest to adjust

(2)：JEPG setting：

Image quality：HIGH（unadjustable）

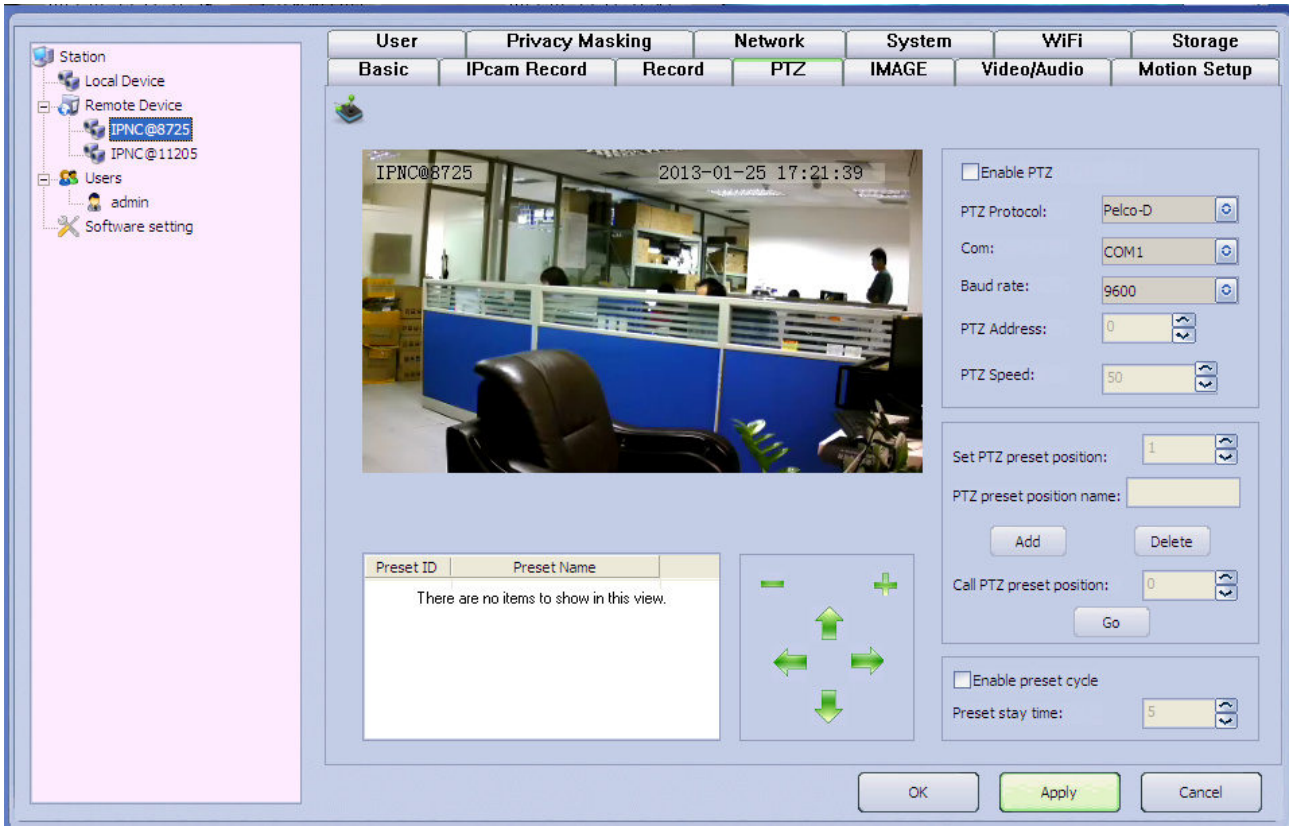
rate：15（unadjustable）

(3)：audio setting：

Audio codec：G711

2.3. 4 PTZ setting

Click “PTZ” to enter the setting， picture 14：



Picture 14

1. PTZ setting

Enable PTZ: if the current video have PTZ function then click "√✓" to start and then to set the PTZ protocol, com, baud rate, PTZ address;

If the current video do not have PTZ function, then do not click "✓√";

PTZ protocol: decoder decoding protocol, the main PTZ protocols on the market are embedded in this software, such as: PELCO-D, PELCO-P, SUMSANG etc.

COM: the currently selected channel's decoder connection serial number setted, COM1 default;

Baud rate: Decoder's baud rate of the current channel, there are 2400、4800、9600、19200 optional;

PTZ address: Its value is front PTZ decoders set address code of numerical.

2. PTZ preset position setting

Through the lower right corner PTZ notice button, control PTZ to designated location

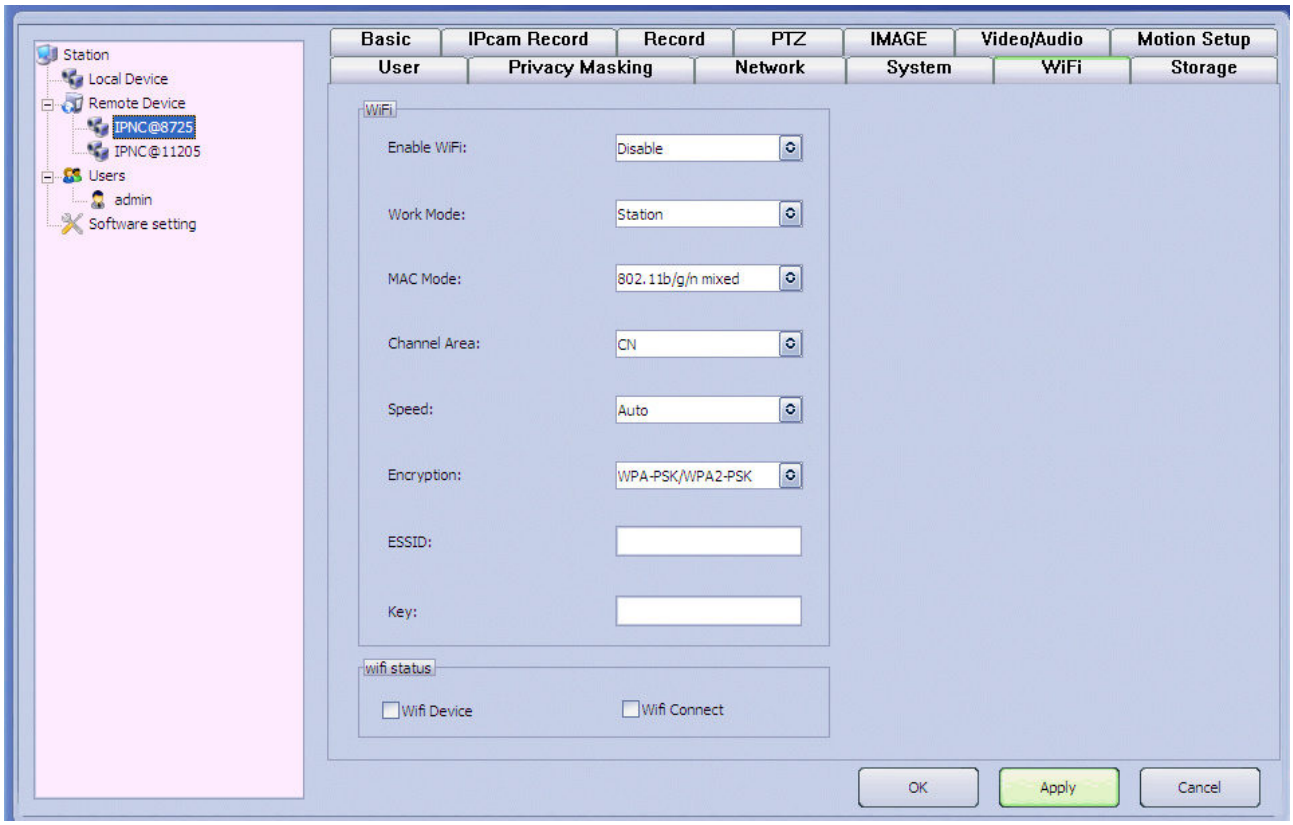
Input the number into the text box of the "set PTZ preset position setting", input the description information related to the preset position on the "PTZ preset position name" then click "add", to complete this step of preset setting。

Input the number on the text box of the "call PTZ preset position" click "go"。

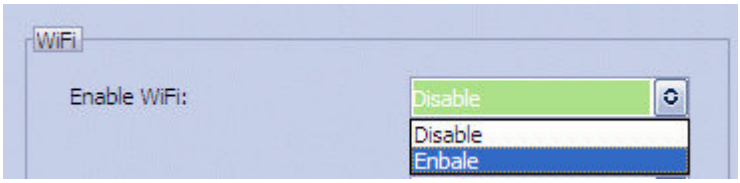
After setting you need to click apply to make sure all the settings are saved.

2.3.5 WIFI setting

click "WIFI", picture 15 shows:



Picture15

1，Enable WiFi： 

，

2，ESSID：

input here with the name of the wifi available ，

3，Key：

input the password of the wifi here。

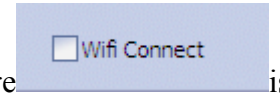
4, Click apply to complete.

5.Please note，restart the computer after the setting completed， then the WIFI setting is enable.

6，

1，If

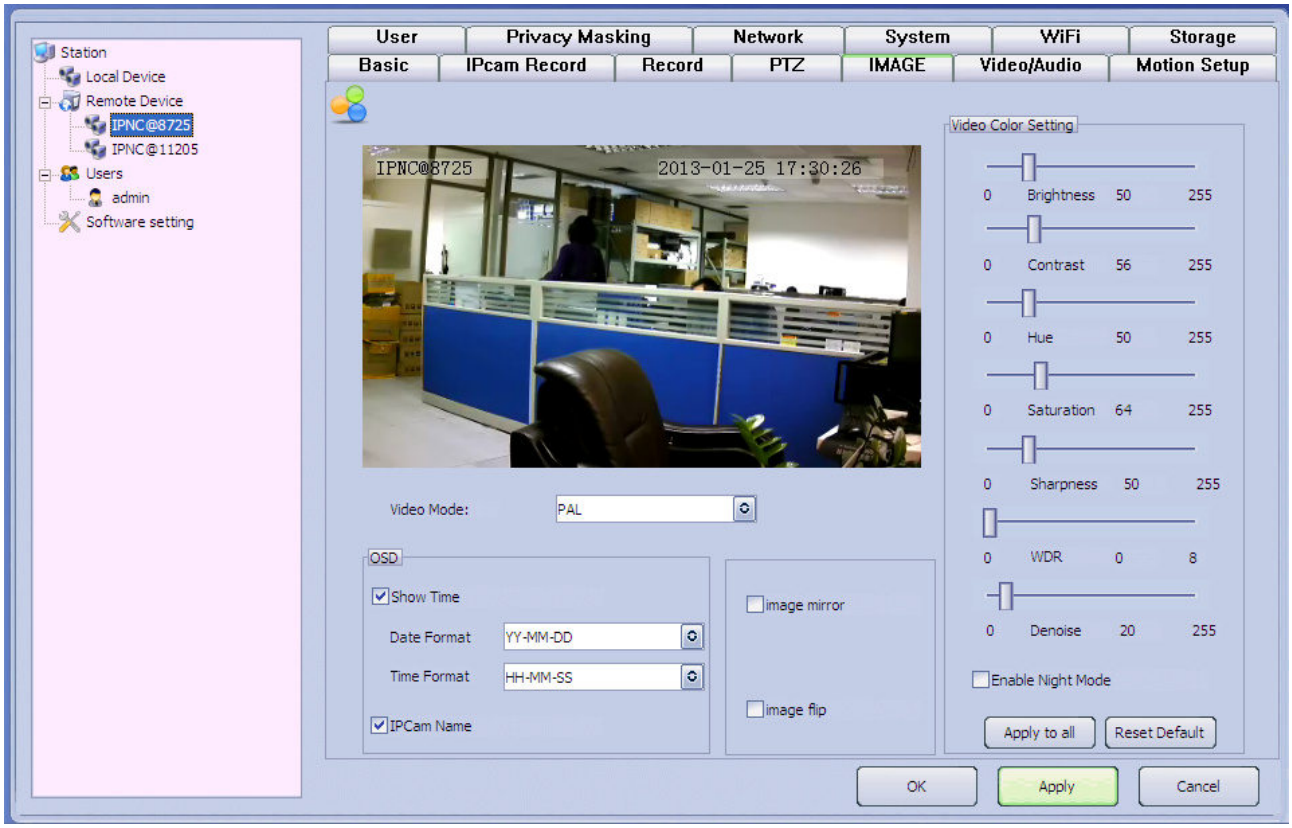
there is √ ，then it means that the wifi module run normally, unless it means run irregularly

2，If here 

is √ then it means the wifi module is connecting.

2.3. 6 image setting

click“IMAGE”to enter the setting of the video color setting ,as the picture below shows:



Picture 16

If click“√” then the setting of the other channels is the same with current video’s setting.

If not click “√” then it means do not copy the setting to the other channels

Video color setting

Adjust the brightness, contrast, hue, saturation of the current video to create the image you are satisfied.

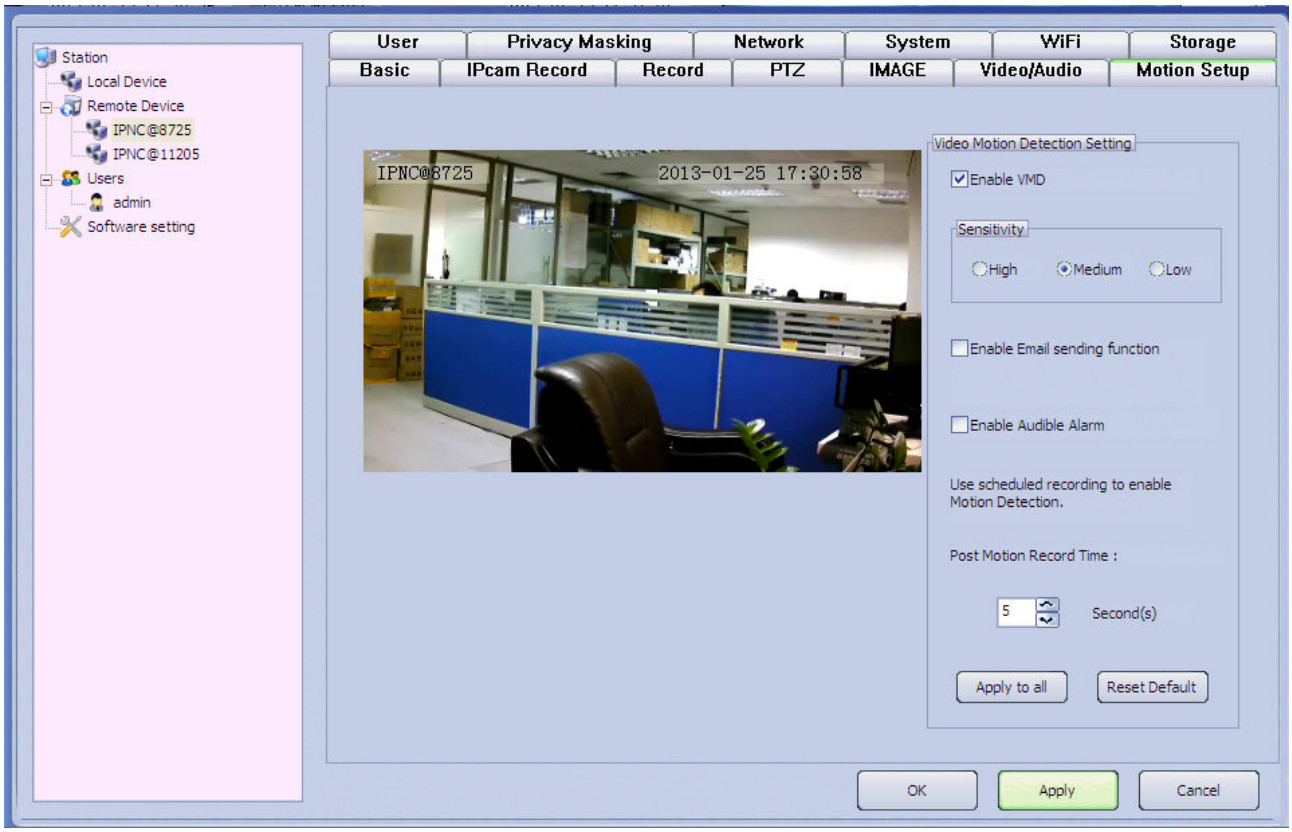
Reset default

Click here to have the default setting

Need to click “apply” to save the setting after the setting is completed

2.3.7 motion setup

click “motion setup”, as the picture 17 shows:



Picture17

Enable video motion detection (enable VMD)

- click “✓√” then enable the video motion detection functions of the current video;
- If not Click “✓√” then do not enable the video motion detection functions of the current video;

Sensitivity

The sensitivity of the video motion detection, there are high medium and low three options available;

Post motion record time: the time of the system continue to record then video is stoped

Enable email sending function

- click “√✓” to enable the email sending function, send the video to the pre-setted email address when the motion detection video recording starts ;

➢ If not click “✓√” then do not enable the email sending function.

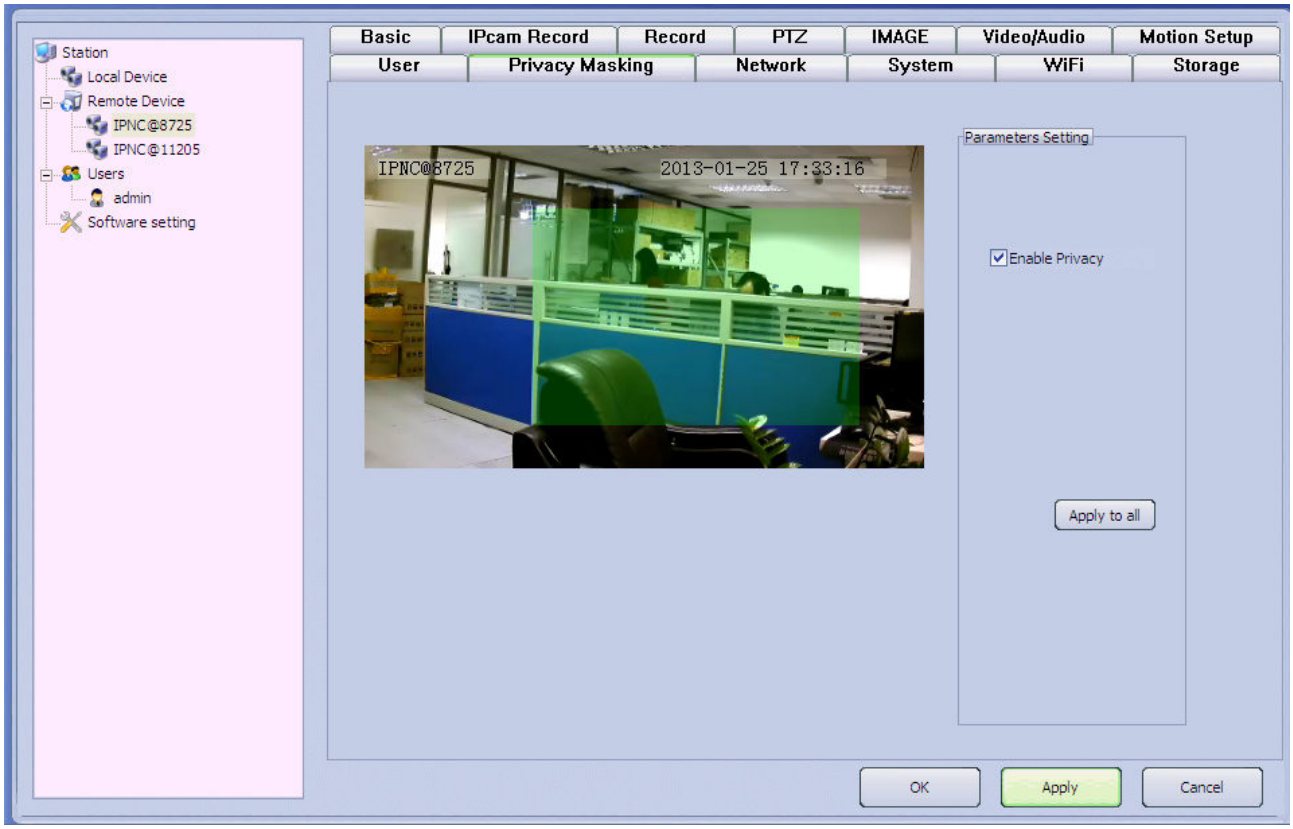
Reset default

Click here to have the default setting

Need to click “apply” to save the setting after the setting is completed

2.3. 8 Privacy Masking

Click “privacy masking” to enter the setting, as picture18 shows :

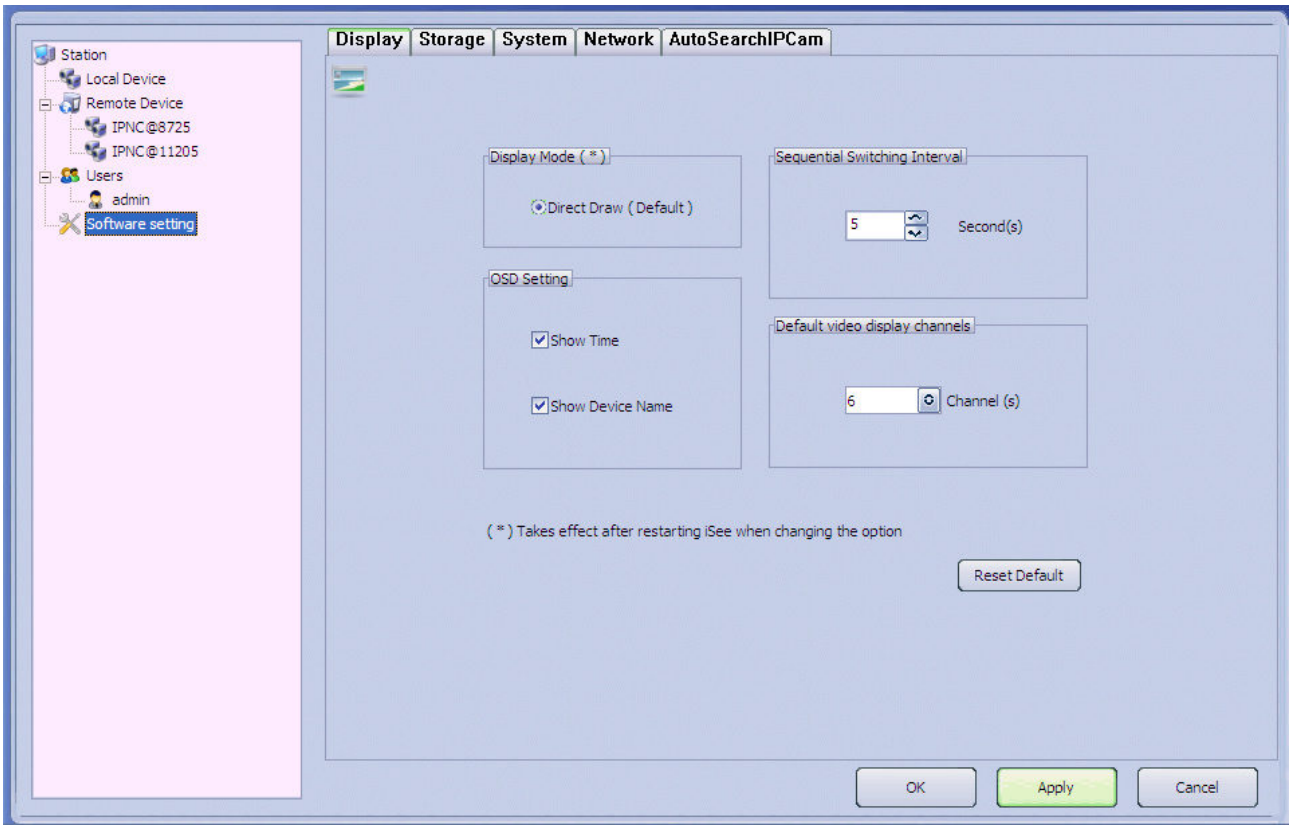


Picture 18

The set is mainly used for the place not easy to monitored like bank, community etc. click “✓√” before the “enable privacy”, Lift click the mouse and drag to choose the area needs to be shielded areas on the left video preview screen, and then click apply.

2.3.9 Display setting

Click “Display” tag to enter the display setting, as picture 19 shows:



Picture 19

Display mode

○ Direct Draw (default):

Restart the software to enable the setting of this option.

Sequential switching interval

When clicking Sequential switching interval " ", set the Sequential switching interval time of the image, 5 seconds default.

Default video display channels

The display windows when the " iSee software" is enable.

OSD setting

☐show time:click "√✓" then will show the date and time of the system on the image.

Not Click "√✓" then will not show the date and time of the system on the image.

☐show device name: click "√✓" then will show the name of the setted channel.

If not click "✓√" then will not show the name of the setted channel

☐display image when alarm : click "√✓" then its alarming, alarm picture from small picture to full screen display, and flicker.

If not click “✓√” then the image is no reflection when its alarming.

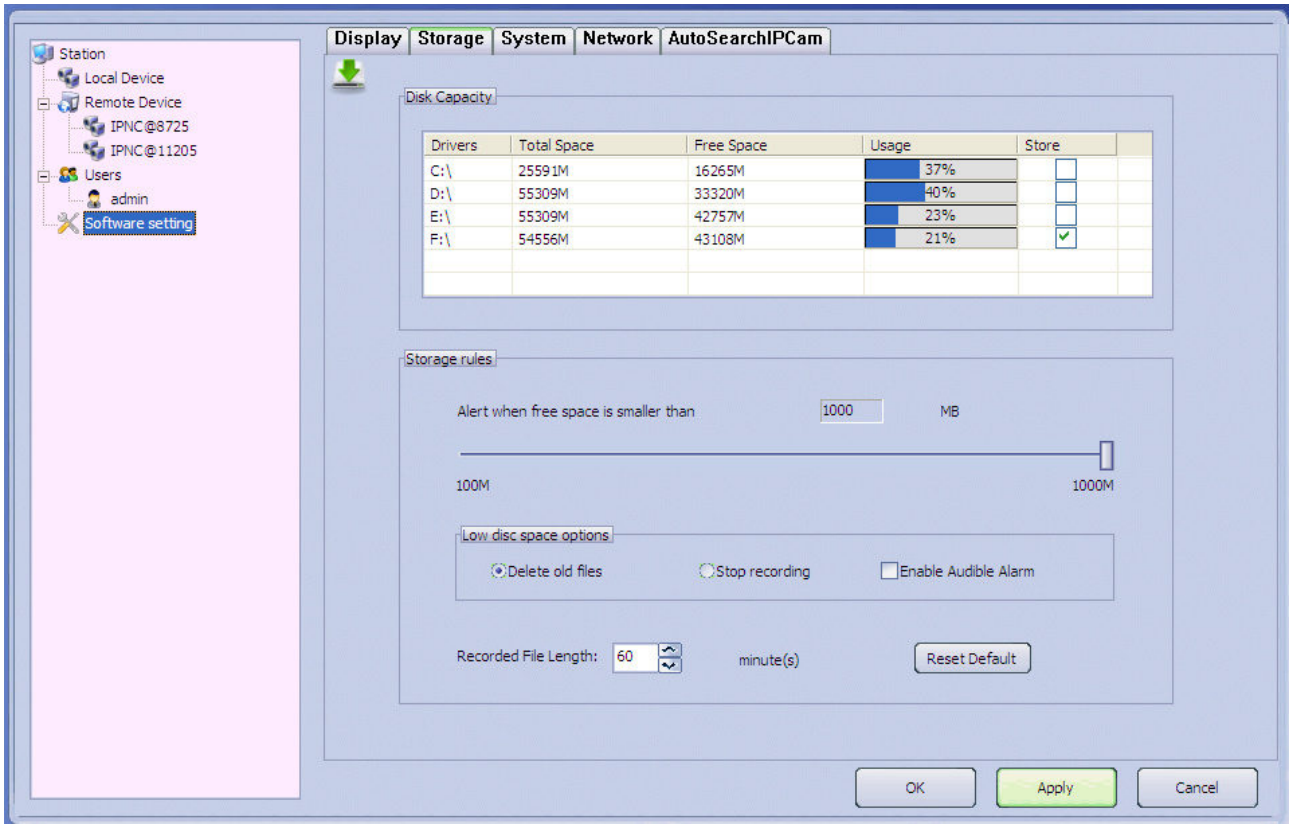
Reset default

Click here to have the default setting

Need to click “apply” to save the setting after the setting is completed

2.3.10 storage setting

click“storage”to enter the setting of storage, as picture 20 shows:



Picture 20

Disk capacity

Shows the number、total space and free space of the current host computer.

In order to make sure the stability of the system,do not choose disk C as the storage space, Disk D is the default storage space for the video. You can also choose other disk as the storage disk by yourself.

Storage rules

The capacity of the hard disk is limited, this software can set the function when the capacity of the disk is less than some kind of the exact capacity.

① Delete old files

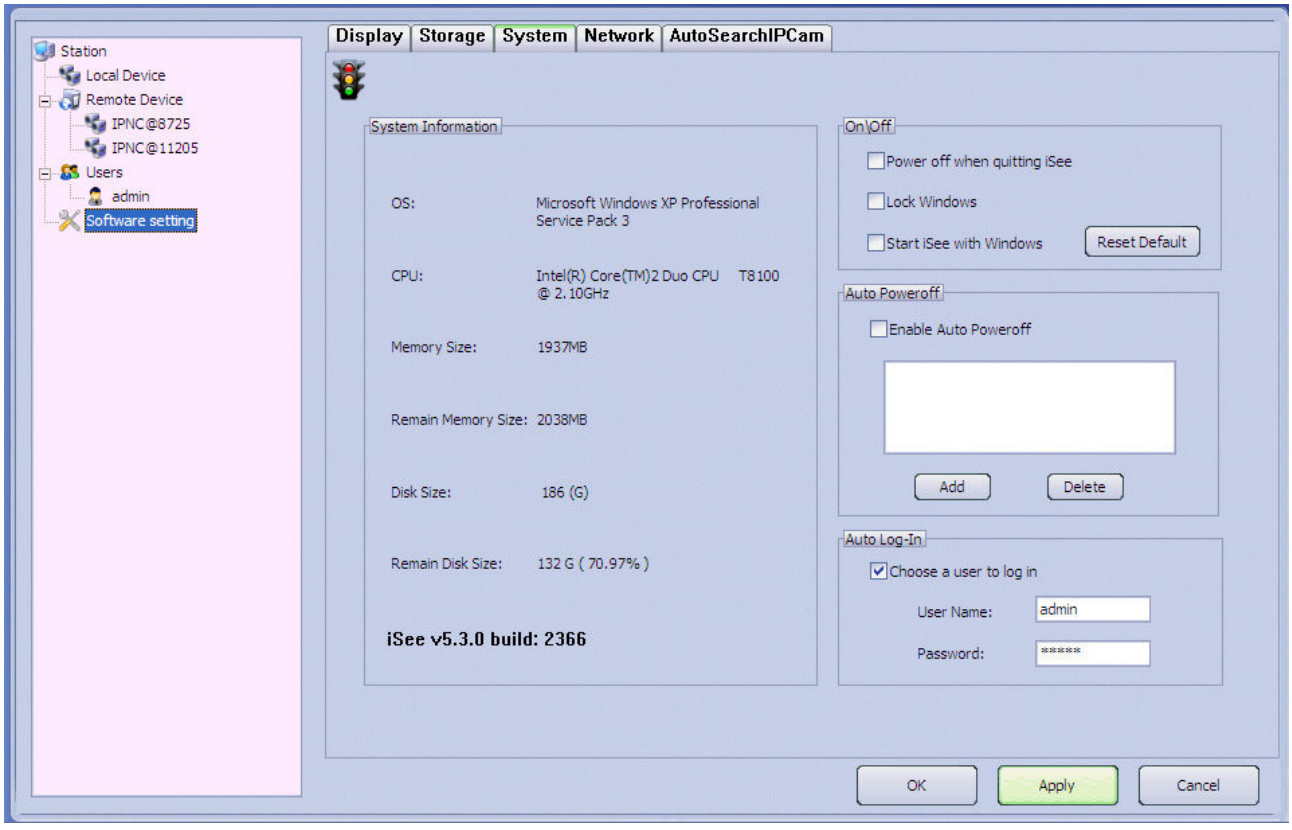
② Stop recording

③ Enable audible alarm

The storage location of the captured file: can choose the storage location for the captured files by clicking “browse”.

2.3.11 system setting

Click “system” to enter the on/off setting, as the picture 21 shows:



Picture 21

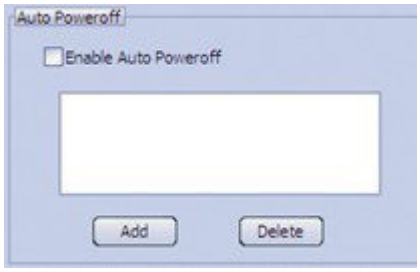
Start iSee with Windows: click “√” then start iSee software when the windows system is on

If not click “√” then do not start iSee software when the windows system is on,

Power off when quitting iSee: click“√”then power off when the iSee monitoring system is quitting;

If not click “√” then will not power off when the iSee monitoring system is quitting;

: click “√” then you can not run others except the monitoring system when the software is locking the windows.



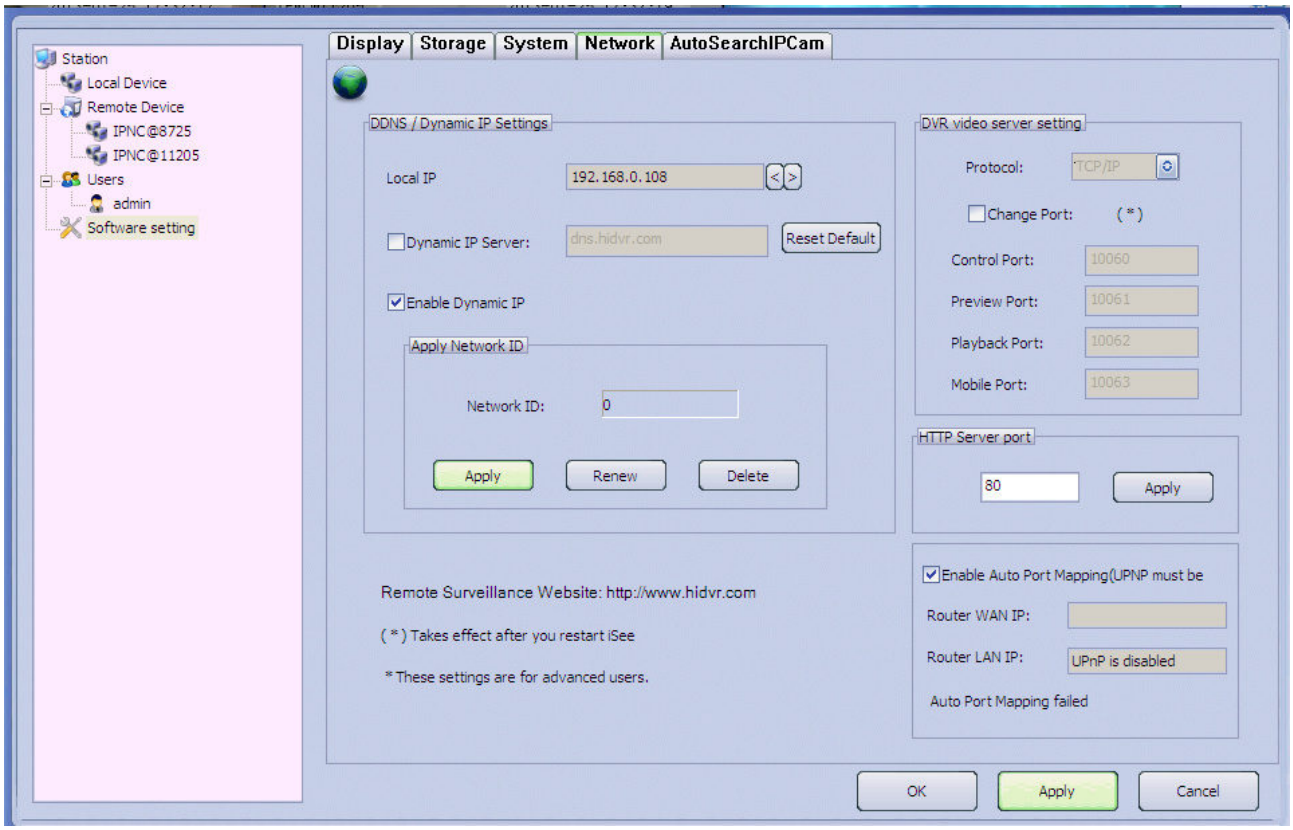
: click “√” to enable auto power off and to set the auto power off time

: click“√”you can specify a user to open the software to automatically login

2.3.12 network setting （ DVR card network setting and ip camera network setting）

一：DVR card network setting

click“network”to enter the setting, as the picture 22 shows:



Picture 22

When through the wan connect this host， and to remote control and see the image, Due to IPV5 static IP address is not enough, each host can not have a public network IP,

So when the DVR host connect the public network, Every time the IP is not fixed,， For convenience of remote access, set up your own server, provide two ways to access：

①In the domain name server register one of your own domain name,Blind the domain name and DVR host，start remote monitoring through the IE explorer

②Applicate ID number, through this software to start remote connection。Each step is described as follows:

1) DDNS/ Dynamic IP setting

a) local IP

Default network server address 219.136.240.51， if the user has their own network server address，then click “√” to change it as the network server address, click reset default then will upgrade new server address automatically.

b) Enable dynamic IP

Click “√” to select “enable dynamic IP”， click “apply” then can apply an automatic application to a string of digital ID， remote control can be run by this software.

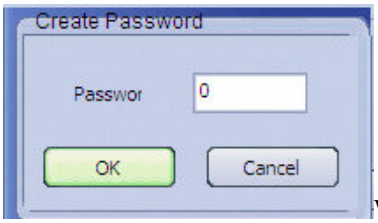
2) DVR video sever setting

The network data between DVR and client end is transferred through the network port like 10060, 10061, 10062 , the network port 10060、10061、10062 is changeable, however, its better to set over 9000, and should avoid the conflict between other network and system port.changing the network port normally is at the same LAN.

After the setting, need to click "apply" to save the setting.

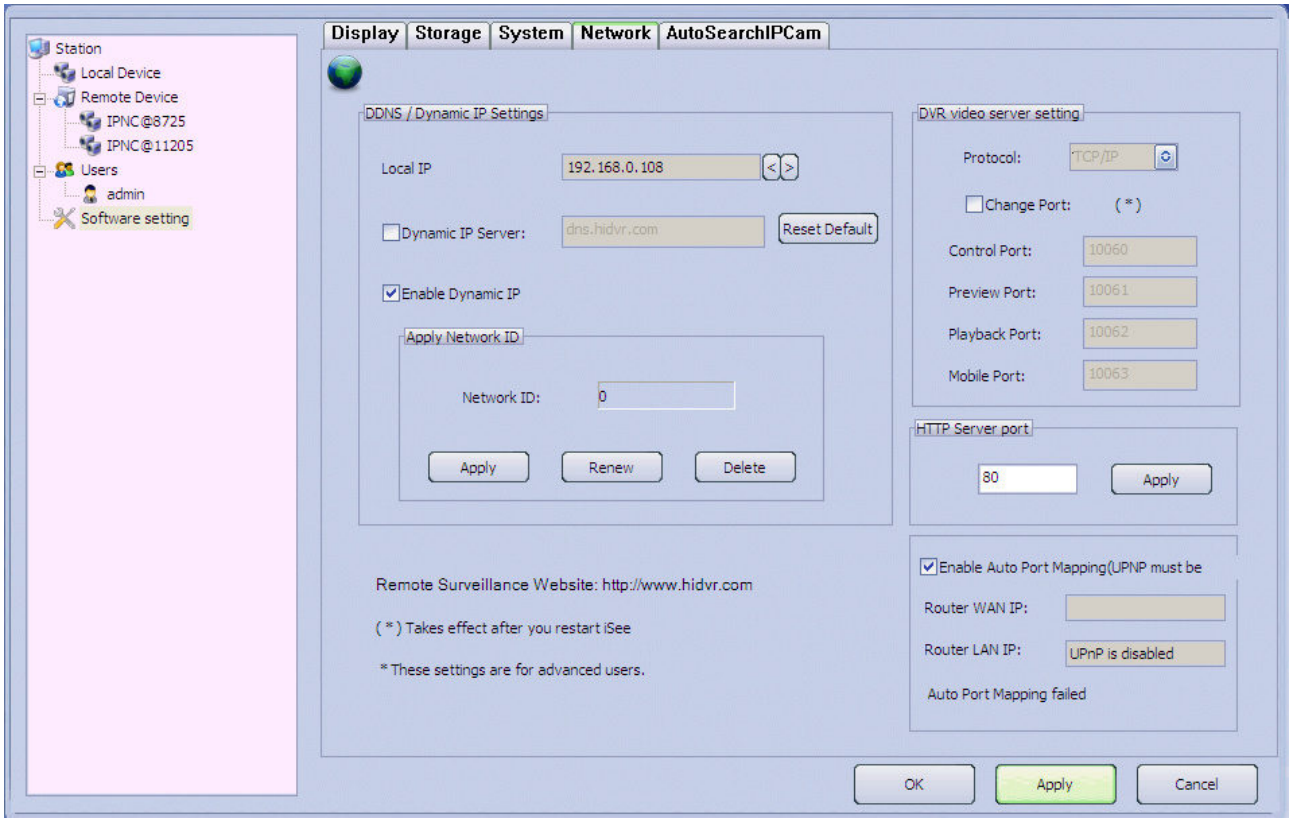
A. remote control by this software:

B. click "enable dynamic IP", click "apply" then can apply an automatic application to a string of digital ID,



When applying code appears registered password, the password is for finding back the registered ID .

①「

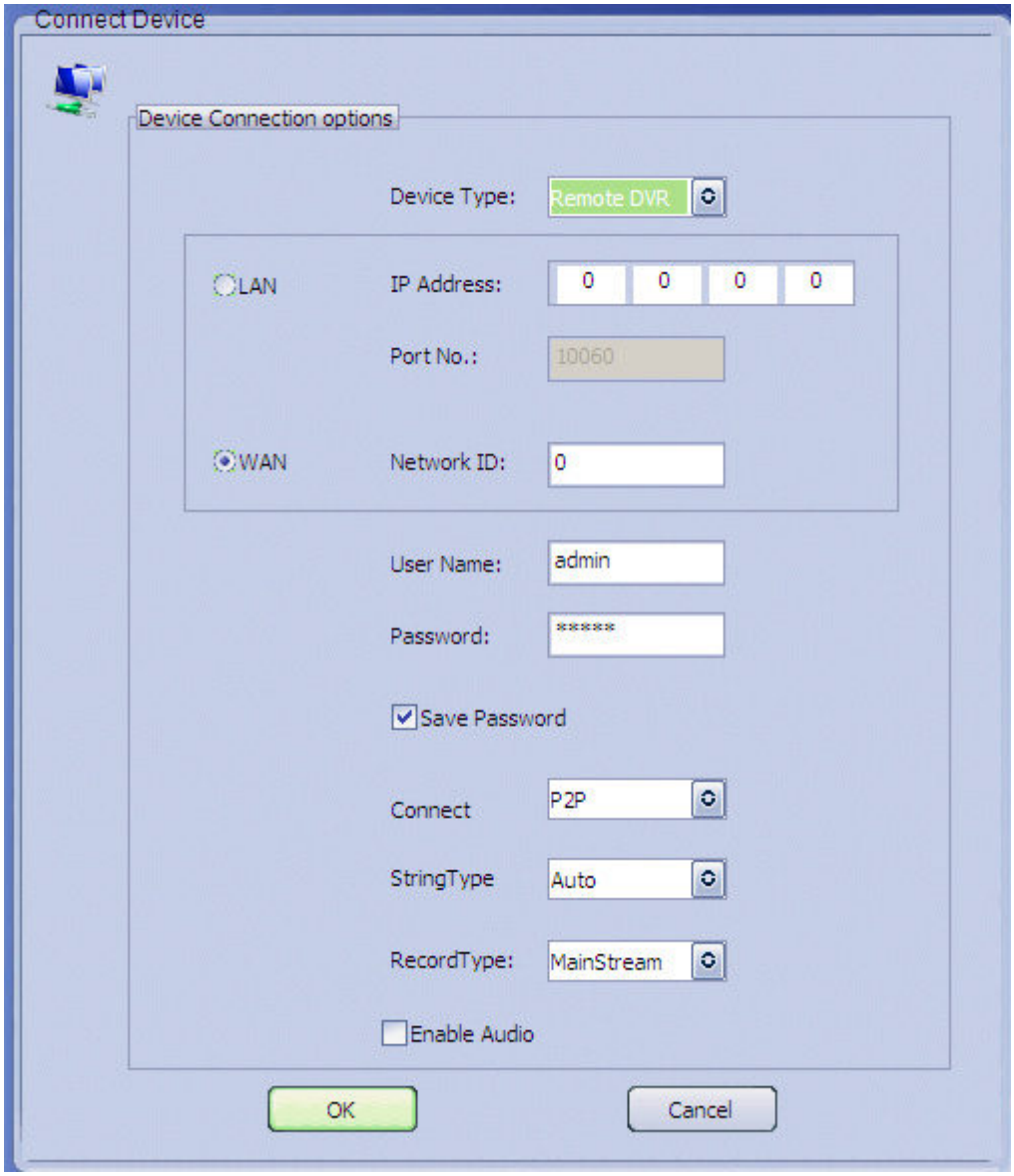


Picture 23

②go back to the main interface and click the "add remote" button , then the dialogue box as picture 24 will appear, at this step we choose

1, choose device type

2, select WAN, and input the ID number just applied and the user name and password authorized



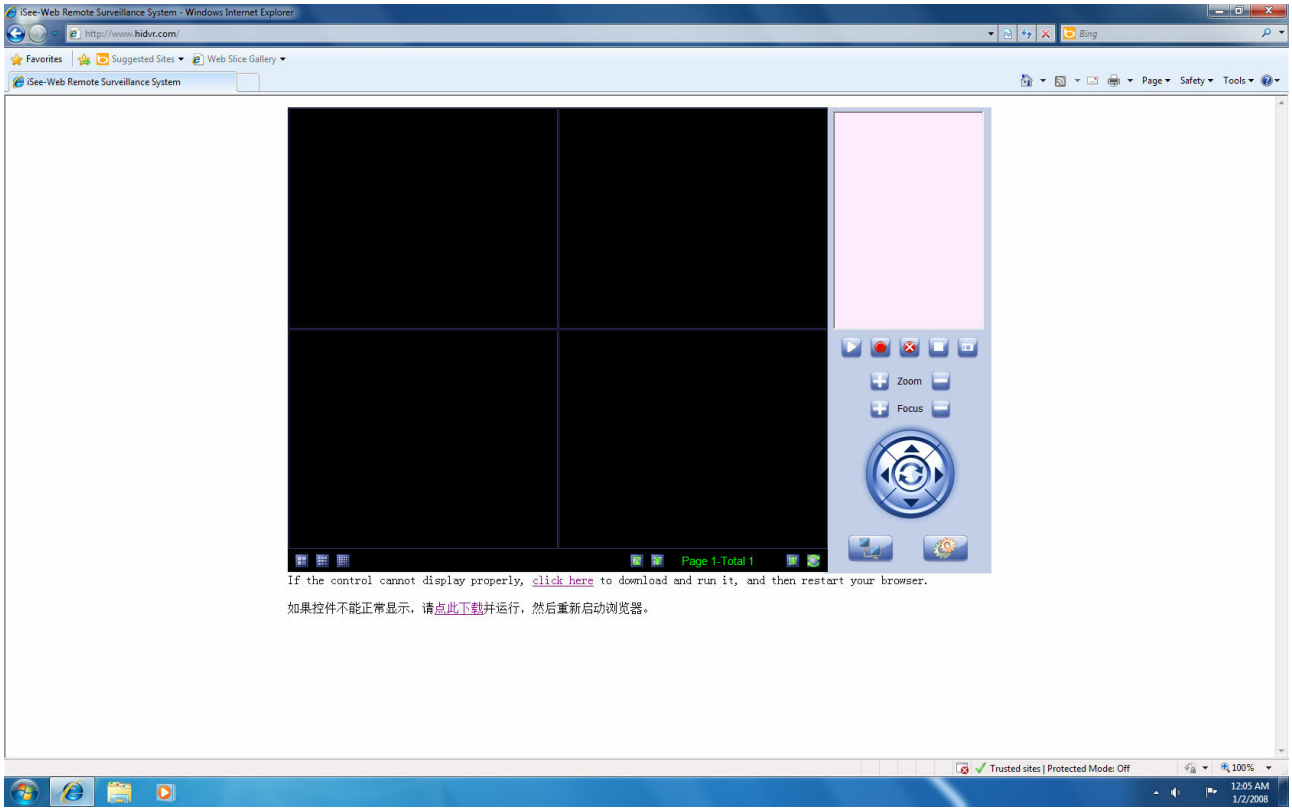
Picture 24

Note: the default connection mode is P2P, this software Using the latest technology of P2P network penetration, can penetrate over 90% network router, and do not need to do port mapping.

③ DVServer@103761 can be seen in the main interface on the right side of the equipment in the list can be seen just increase the Internet equipment , left click the "＋" before, then willdisplay the remote video channel, and then choose the channel you need to monitor, right click to open it.

C. Remote monitoring via IE explorer, operate as follows:

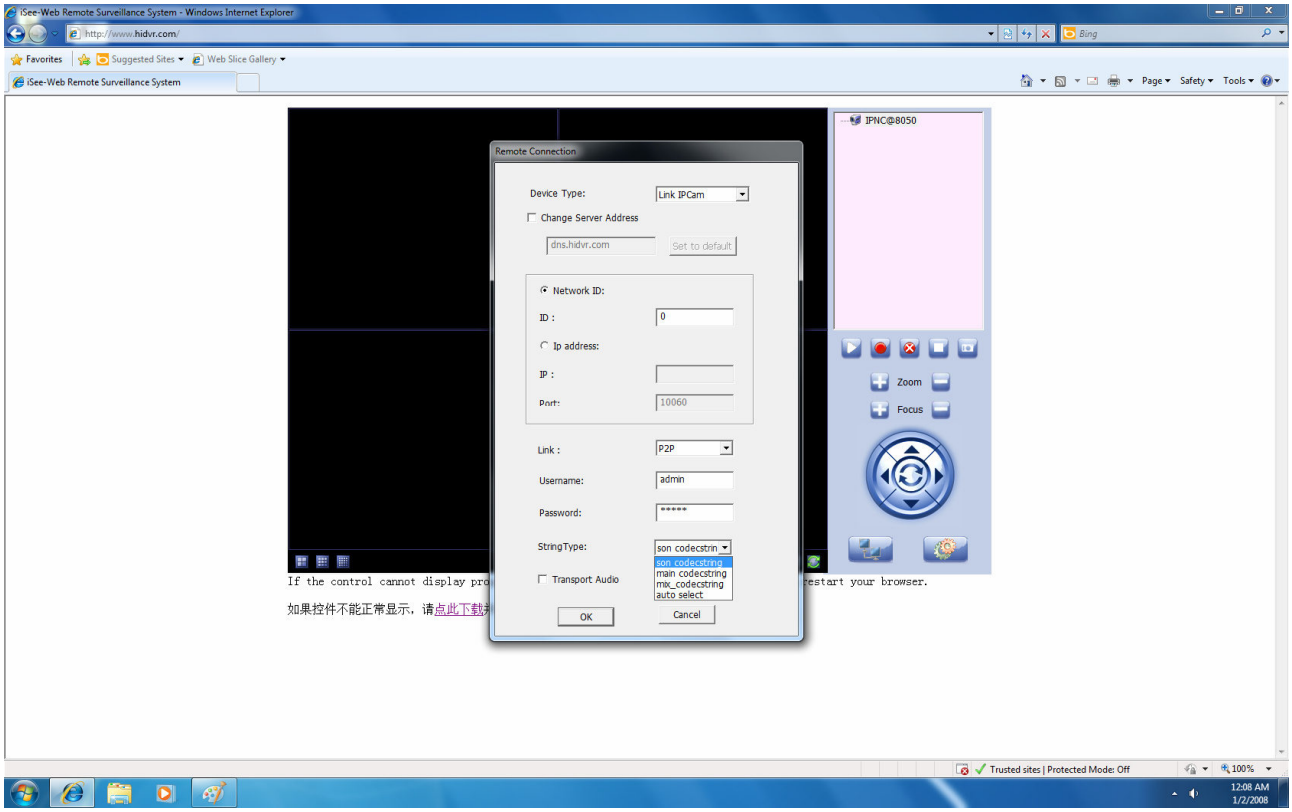
Open the IE explorer, input www.hidvr.com into the address bar and click enter.



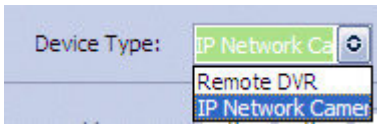
Picture 26

According to clew, download and install the ActiveX, then refresh the web page, if the web site does not display like picture 26, then shut the web page and reload the page, then its ok.

click input the ID number and user password applied and then will connect successfully, as picture 27 shows

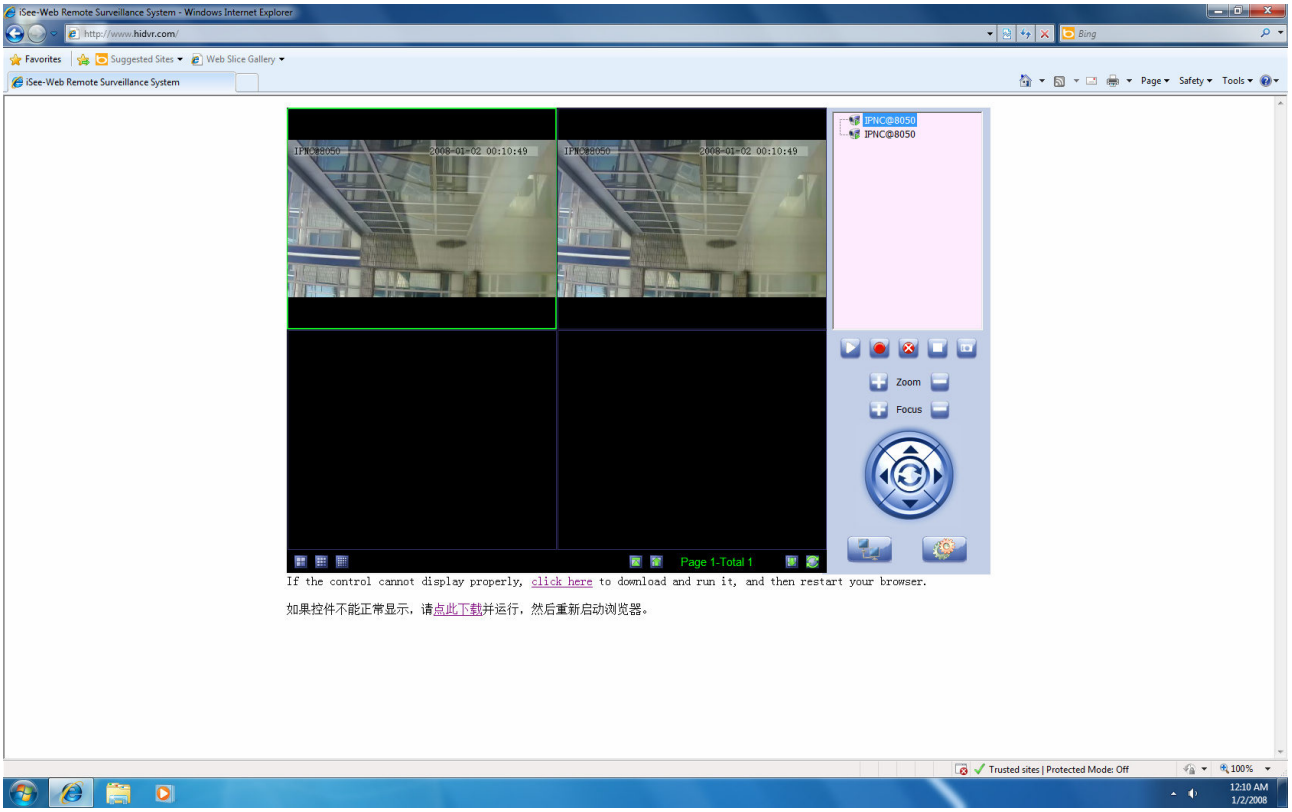


Picture 27

1, Choose device type 

2, Input the applied ID and then click OK

After connecting complete, choose the channel need to be monitored at the right device list, click "▶" to open the channel, as picture 28 shows:

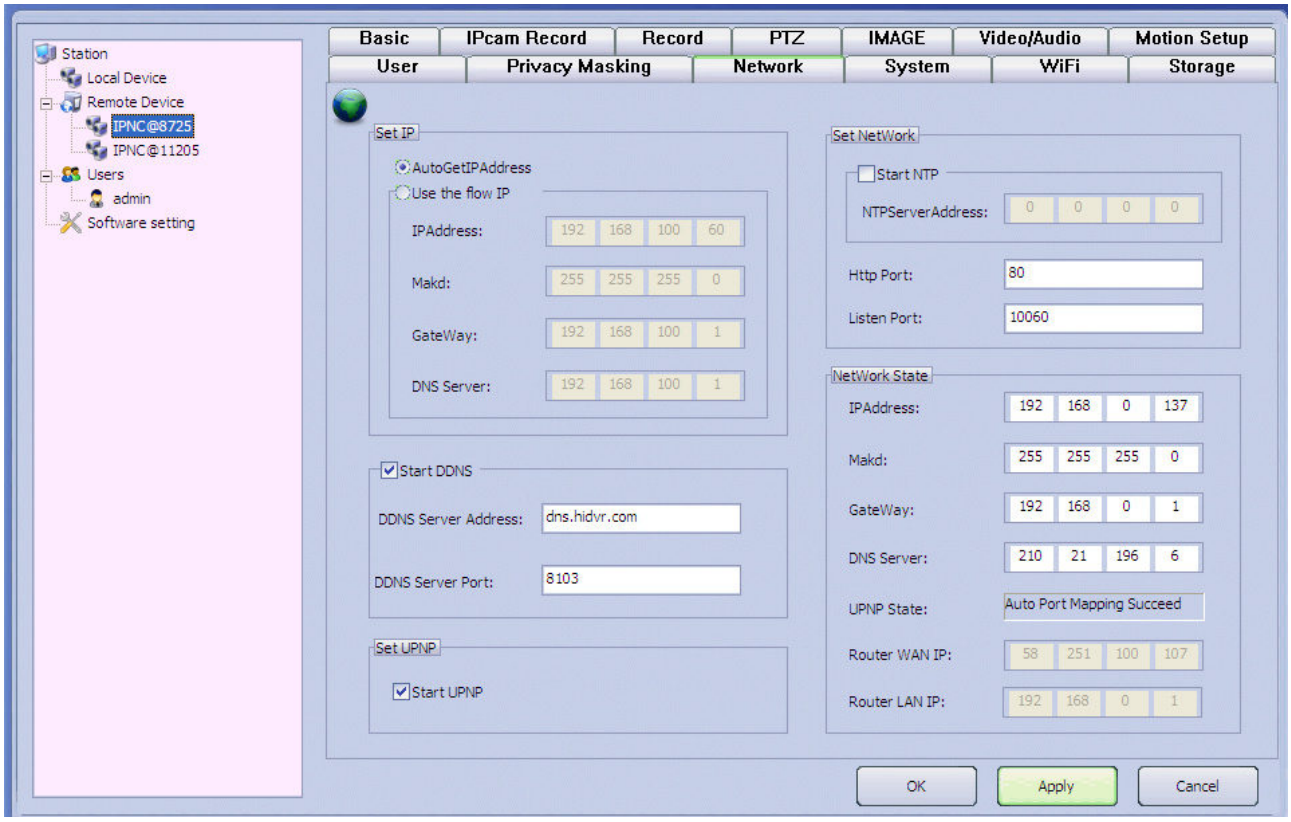


Picture28

Note：we suggest that only VIP user can change this page’s setting

二，HD ip camera network setting

Open the setting as the picture shows:

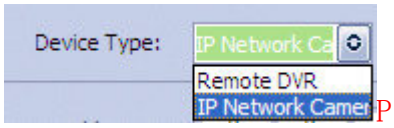


1, Each ip camera has its own fixed ID (so do not need to apply the ID like the DVR card)

2, Click as :

,
Click apply and ok then quit (please note, must be chosen here, otherwise, you can only see at the LAN(local area network)

3, Add the ID at the software and IE explorer (like the setting of the DVR card)

4, 

Please note, choose ip network camera when selecting the device type

5,

the string type of the ip camera is optional, Mix default。

(1): when connecting the ip camera, choose the CIF resolution as the sub stream's resolution.

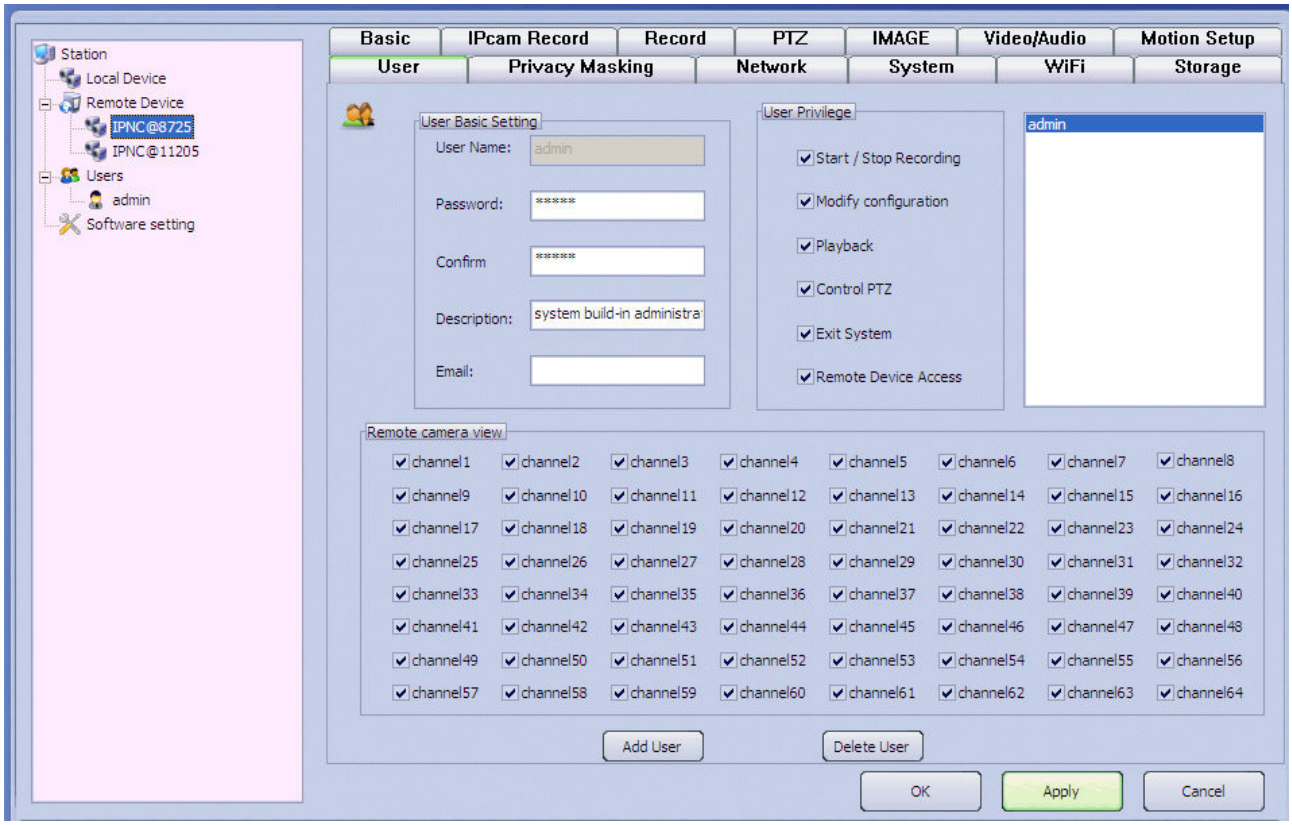
(2): always display as the 720P or 1080P resolution when choose the main stream

resolution.

(3): when choosing the mix stream, large image displayed as HD resolution, small image display as CIF resolution.

2.3.13 User setting

Click the "User" and "admin" on the tree list on the left, then enter the user setting.as picture 29 shows:



Picture 29

We suggest the users run the software for the first time, Please do enter this setting , and change the password and add the operator, and then set the "permission setting", and prevent the ordinary user from using the administrator's ID to change the setting. And avoid the loss unneeded. The administrator has the highest right like adding, canceling and managing users

➢ Click the" Add User "to add the operators for the system, setting steps as follows:

User name: please input the added operator's name and code.

password: setting the password foe the new added operator.

Re type the password: rewrite the password

description (optional): describe the related information for the new added user.

like：security department manager,security captain etc.

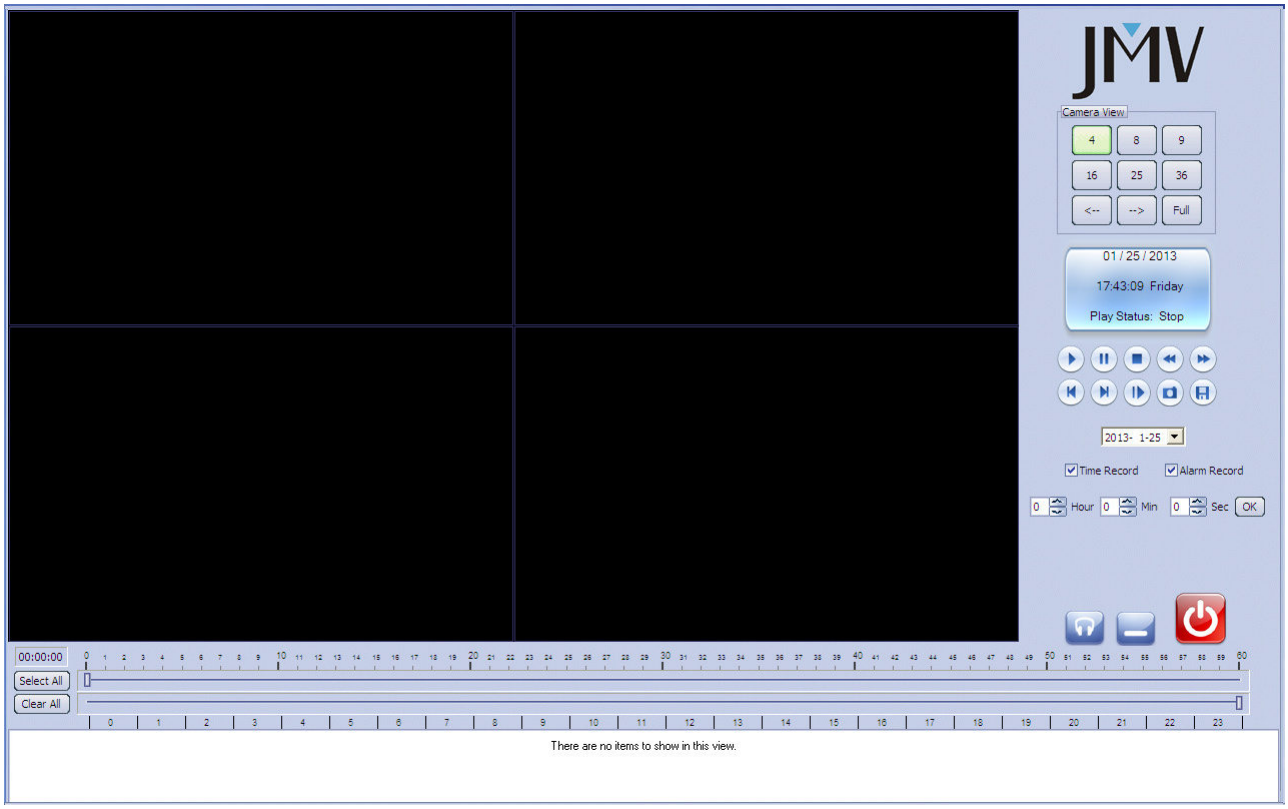
Email address（optional）：if the new added user has email address, we suggest input the email, the alarm information can be sent to this email address.

➢ Choose the user unneeded, click “ ” to delete the user.

Click “apply” to save the setting.

Part three Video playback

Click “ ”, enter the playback system, as picture 30 shows：



Picture 30

Video file display window ： 9 default display windows when the program starts，16 windows,25 windows and full screen can be adjusted if needed。When enlarge one window, then you will also enter the file single window mode.

When need to playback,click to choose the channel need to check at the list below,or click select all button;then drag the time axis to the location where there is video recorded at the back of the clear all, then you can see the playback video.

Choose the video type, date, time at the right of the window, if there are videos information appear with blue color below the time axis of the 0-23 hours. single click at the time axis and drag the time to the specified time. then you can see the video information you need to check.

There are play, fast forward, fast backward, pause and backup button at the right list.

Play “ ”	Start playing the video;
Pause “ ”	Pause the current playing video files, continue to play, please click “playback”；
stop “ ”	complete playing and end current video
Capture “ ”	Capture the images of the currently playing video to save as evidence
Backup video “ ”	Save currently playing video as for evidence
Slow play “ ”	Slowdown the playing speed of the video. continuously clicking the button can slowdown the playing speed the maximum reduce rate is by 1/32
Ultra Fast Play “ ”	Increase the speed of playing the files。continuously clicking the button can increase the playing speed, the maximum speed rate is 32 times.
fast backward “ ”	Backward the playing files. Each clicking, the image of playing will jump to the image 10 second before.
Fast Forward “ ”	Forward the playing files. Each clicking, the image of playing will jump to the image 10 second after.